EAGLE ENVIRONMENTAL, INC.

HAZARDOUS BUILDING MATERIALS INSPECTION REPORT
61 DURANT TERRACE
MIDDLETOWN, CONNECTICUT

PROVIDED TO

CITY OF MIDDLETOWN
245 DEKOVEN DRIVE
MIDDLETOWN, CONNECTICUT

PROVIDED BY

EAGLE ENVIRONMENTAL, INC.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT

DECEMBER 7, 2010

EAGLE PROJECT NO. 10-038.13

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1.0 INTRODUCTION

On November 23, 2010, Eagle Environmental, Inc. conducted a hazardous materials inspection of the site and site structure for the former St. Sebastian School located at 61 Durant Terrace in Middletown, Connecticut. The scope of work included a complete hazardous building materials inspection including asbestos, lead-based paint and universal waste products. The City of Middletown is contemplating acquiring the building to convert into a Senior Center.

Inspections were preformed for all visible and accessible hazardous building materials identified in our fee proposal and sampling was also performed as indicated in our fee proposal. There might be additional hazardous materials existing in areas that were inaccessible such as behind the walls and above the ceiling.

Asbestos Containing Materials

The asbestos inspection was conducted in order to satisfy the USEPA National Emission Standard for Hazardous Air Pollutants Act (NESHAP) as amended November 20, 1990. The USEPA NESHAP final rule requires the identification and removal of all regulated ACM in an area of renovation prior to renovating the area if the renovation work will disturb the ACM.

The asbestos inspection was performed by James Webb; a State of Connecticut licensed Asbestos Inspector (license # 000588).

Lead Based Paint

The lead based paint (LBP) screen was performed in accordance with the requirements of the State of Connecticut, Department of Environmental Protection (DEP), Guidance for the Management and Disposal of Lead Contaminated Materials Generated in the Lead Abatement, Renovation and Demolition Industries. The DEP regulates the disposal of hazardous lead waste in the State of Connecticut. Lead-contaminated debris, not contaminated with other hazardous materials, is classified either as hazardous lead waste or as non-hazardous solid waste.

Additionally the U.S. Department of Labor Occupational Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead in Construction.

The lead based paint screen was performed by Michelle Rudy; a State of Connecticut licensed Lead Inspector/Risk Assessor (license # 002197).

Polychlorinated Biphenyls (PCB) in Wet Transformers, Caulking Compounds and Paint

Wet Transformers

Electrical transformers come in two categories, wet and dry. The dry type transformer is generally not a disposal problem. The wet type transformer may contain oil which PCB. Due to their non-flammability, chemical stability, high boiling point and electrical insulating properties, PCBs were used in hundreds of industrial and commercial applications including electrical, heat transfer, and hydraulic equipment; as plasticizers in paints, plastics and rubber products; and most recently has been identified by the USEPA as a concern in caulking compounds. The USEPA has identified numerous cases where PCBs have been added to caulk compounds prior to 1977 to improve adhesion and flexibility.

The USEPA regulates the disposal of PCB containing caulk as a bulk product, as well as soil and other materials contaminated with PCBs from caulk if the concentrations of PCBs is found to contain greater than 50 parts-per-million (ppm). The State of Connecticut Department of Environmental Protection regulates the removal and disposal of the PCB-containing and PCB-contaminated materials if the concentration is between 1 ppm and 50 ppm. Materials containing less than 1 ppm PCB are not regulated and can be disposed of as general construction waste.

Universal Waste Products and Other Environmental Concerns

PCB and Di-ethylhexlpthalate (DEHP) Containing Items

PCB and DEHP lighting ballasts, electrical equipment including capacitors and switches that contain PCBs are regulated under the Toxic Substances Control Act of 1976 (TSCA) which bans the manufacture and distribution of PCBs and regulates its disposal and storage.

PCBs and DEHP can be found in a number of items, including lighting ballast and electrical equipment including capacitors and switches. DEHP and PCB-containing items such as these must be managed and disposed of in accordance with special requirements.

A visual inspection for the presence of lighting ballasts and electrical equipment potentially containing PCB's or DEHP was performed

Mercury Containing Items

Fluorescent lamps, thermostats, mercury switches, manometers, natural gas meters, and other items can contain enough mercury to be classified as a special waste, and may therefore not be disposed of as regular construction debris. The mercury and mercury vapors associated with these products must be reclaimed prior to disposal of the products. A visual inspection for the presence of fluorescent lamps, thermostats and switches potentially containing mercury was performed.

Used Electronics and Batteries

Used electronics and batteries may contain enough lead, mercury, cadmium, or acid electrolytes to be classified as a universal waste. In such cases, they may not be disposed of as regular construction debris. A visual inspection for the presence of used electronic devices was performed.

Chlorofluorocarbons

Freon gas includes a number of gaseous, colorless chlorofluorocarbons (CFC's) that are commonly used as refrigerants. Freon is listed as a controlled substance by governments around the world. In the United States, the USEPA regulates the emission of Freon gas into the atmosphere due to its ozone depleting capabilities. Through Title VI, Stratospheric Ozone Protection, of the Clear Air Act Amendments of 1990, the USEPA regulates Freon gas and requires mandatory recycling and a ban on the intentional venting or releasing of refrigerants during maintenance, service and or repair. A visual inspection for the presence of building materials potentially containing Freon was performed.

2.0 BUILDING (AREA) DESCRIPTION

The subject building located at 61 Durant Terrace is approximately 13,300 SF, two story structure of brick and metal frame construction. The structure was built in 1875's. The building has a full basement. The mechanical equipment consists of oil fired hot water baseboard system

with copper finned tubing. The mechanical distribution system is insulated. The basement piping is exposed and all risers are exposed on the floors above. The boiler is located in the basement of the structure. The interior walls and ceilings are of sheetrock and joint compound construction. The window frames and sashes are of vinyl construction. The door frames are wood and metal with wood and metal doors. The floors are finished with various resilient flooring finishes. The exterior facades are clad with brick. The roof is pitched and consists of one layer of cement board shingles.

3.0 ASBESTOS CONTAINING MATERIALS

Inspection

The asbestos-containing materials inspection included the accessible interior and exterior portions of the building including the roofing systems. Semi-destructive testing techniques are utilized during the inspection process. This included cutting through various layers of flooring and roofing materials to verify and sample individual layers of suspect ACM. Suspect building materials that are inaccessible for inspection and sampling are assumed to be ACM for the purpose of this report. These suspect materials are generally located in operational equipment, behind rigid walls and ceilings, or otherwise concealed areas of the building including below grade materials.

During the inspection, suspect materials are located, sampled, quantified and the friability of the material is determined. Friable materials are those materials that hand pressure can crumble, pulverize or reduce to powder when dry. Estimated quantities of identified ACM's are provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material. Room numbers identified in the Table A and B correspond to room numbers provided on drawings contained in Appendix 1 of the report.

Bulk Sampling

During the sampling process, suspect ACM were separated into three USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials, and Miscellaneous materials. TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, toweled or otherwise applied to an existing surface. These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed as thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

All bulk sampling methods and number of samples collected meets or exceeds the USEPA predemolition requirements.

Bulk Sample Analysis

The samples of the suspect asbestos containing materials were sent to a State of Connecticut Department of Public Health (DPH) approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample is determined to contain asbestos. Upon determination that one sample in the set contains asbestos, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content. A minimum of two (2) samples of suspect materials were collected during the inspection.

Friable ACM

Certain samples of friable materials shown to contain less than 10% asbestos are analyzed further by the "Point Count Method". This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method. No samples required analyses by point-counting during this inspection.

Non-Friable ACM

Certain samples of non-friable materials shown to contain "less than 1% asbestos", "TRACE" or "NAD" are recommended for analyses by the "NOB TEM ELAP 198.4 Method". This procedure is recommended by the United States Environmental Protection Agency to further evaluate non-friable bulk samples for asbestos. Suspect materials confirmed by NOB TEM to be "less than 1 % asbestos", "TRACE" or "NAD" are considered non-asbestos containing. Two (2) samples were additionally analyzed by TEM NOB method.

Sample locations of the materials sampled during this inspection are identified as Appendix 1. Laboratory results are attached as Appendix 2.

Sample analysis results are reported in percentage of asbestos and non-asbestos components. The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being asbestos-containing material (ACM). Suspect materials containing greater than one percent (1%) asbestos utilizing the PLM Point Count Method and the NOB TEM method are also considered to be asbestos-containing. Materials determined to contain greater than one percent (1%) asbestos is regulated by the USEPA, the State of Connecticut Department of Public Health and Department of Environmental Protection and the United States Department of Labor. Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Samples results indicating "Did Not Analyze" (DNA) are not analyzed due to the stop on first positive request to the laboratory.

Conclusion

During the course of the building inspection ninety-four (94) bulk samples of suspect ACM were collected and eighty-eight (88) samples were analyzed by PLM based on the "stop on first positive" request to the laboratory. Additionally there were two (2) samples analyzed by the NOB TEM Method.

From the ninety-four (94) samples, seven (7) types of ACM were identified. Two (2) additional materials were assumed to be asbestos-containing. A complete inventory of identified and assumed ACM is provided in the Asbestos Containing Materials Summary Table (Table A).

The NOB TEM analyses confirmed the black mastic associated with 9" x 9" floor tile to be asbestos containing materials. The NOB TEM analyses confirmed the dark yellow carpet adhesive to be non-asbestos.

Any suspect material discovered during renovation that is not specifically identified in this report as non-ACM should be assumed to contain asbestos unless sample results prove otherwise.

All regulated friable and regulated non-friable ACM that will potentially be impacted by renovation work must be removed prior to renovation activities. A State of Connecticut Licensed Asbestos Abatement Contractor must be retained to perform the removal work. At the completion of the abatement work, visual inspections and re-occupancy air monitoring must be performed by a State of Connecticut licensed Asbestos Project Monitor within each abatement area prior to re-occupancy of the work area.

The Asbestos Abatement Contractor must submit a notice of asbestos abatement to the State of Connecticut Department of Public Health post marked or hand delivered ten (10) days prior to the commencement of any asbestos abatement activities involving the abatement of greater than ten (10) linear feet or twenty-five (25) square feet of asbestos-containing materials.

TA_ _A
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
61 DURANT TERRACE
MIDDLETOWN, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CLASS	BULK SAMPLE ANALYSIS RESULTS				QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
001	Residual aircell pipe insulation	11-23-JW-01	TSI	65% Chrys.			YES	< 1 SF	F
		11-23-JW-02		DNA					
		11-23-JW-03		DNA					
001	Brown brittle caulk at hot water tank exhaust	11-23-JW-08	MISC	2% Chrys.			YES	1 SF	NF
		11-23-JW-09		DNA					
003, 004, 005, 012, 014, 016	Gray 9" x 9" floor tile	11-23-JW-29	MISC	7% Chrys.			YES	1505 SF	NF
		11-23-JW-30		DNA					
016, 017	Red 9" x 9" floor tile	11-23-JW-74	MISC	NAD			YES	405 SF	NF
		11-23-JW-75		5% Chrys.					
003, 004, 005, 012, 014, 016, 017, 018,	Black mastic associated with 9" x 9" floor tile*	11-23-JW-31	MISC	NAD		5.5% Chrys.	YES	2500 SF	NF
		11-23-JW-32		NAD					
Roof 1, 2, **3**, 4, 5	Red cement board roof shingles	11-23-JW-91	MISC	25% Chrys.			YES	7170 SF	NF
		11-23-JW-92		DNA					
Roof 1, 2, **3**, 4, 5	Black flashing cement	11-23-JW-93	MISC	12% Chrys.			YES	182 LF	NF
		11-23-JW-94		DNA					
001	Boiler rib cement	Assumed	MISC	Assumed			Assumed	10 Sections @ 14 LF Ea	F
027, 032	Pipe insulation and mudded pipe fitting at plumbing walls	Assumed	MISC	Assumed			Assumed	32 LF 10 Mudded Pipe Fittings	NF

KEY

DNA = DID NOT ANALYZE
NAD=NO ASBESTOS DETECTED
F = FRIABLE NF = NON-FRIABLE
TSI = THERMAL SYSTEMS INSULATION
SURF = SURFACING MATERIAL
MISC = MISCELLANEOUS MATERIAL

SF = SQUARE FEET
LF = LINEAR FEET
Chrys = Chrysotile
Amos = Amosite
Anth = Anthophylite
Trem =Tremolite
Croc=Crocidolite

ANALYTICAL METHODS

PLM PC=EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
TEM NOB = NEW YORK ELAP 198.4 METHOD
PLM=EPA 600/R-93/116
PS=Previously Sampled

* 12" x 12" White and grey floor tile associated with black mastic in Room 018 needs to be disposed of as contaminated waste.

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TA. B
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
61 DURANT TERRACE
MIDDLETOWN, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CLASS	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
001	White rope gasket at breech flange	11-23-JW-04	MISC	NAD			NO
		11-23-JW-05		NAD			
001	Grey mortar on steel breeching and at old ash clean out	11-23-JW-06	MISC	NAD			NO
		11-23-JW-07		NAD			
001	Residual white debris under boiler	11-23-JW-10	TSI	NAD			NO
		11-23-JW-11		NAD			
		11-23-JW-12		NAD			
001	White boiler base concrete pad	11-23-JW-13	MISC	NAD			NO
		11-23-JW-14		NAD			
001, 002	White window glazing compound at window in doors	11-23-JW-15	MISC	NAD			NO
		11-23-JW-16		NAD			
001, 021	Sheetrock	11-23-JW-17	MISC	NAD			NO
		11-23-JW-18		NAD			
001, 021, 033	Joint compound	11-23-JW-19	SURF	NAD			NO
		11-23-JW-20		NAD			
		11-23-JW-21		NAD			
001, 021	Sheetrock/Joint compound composite	11-23-JW-22	MISC	NAD			NO
		11-23-JW-23		NAD			
003, 007, 019	Textured wall paint on concrete	11-23-JW-24	SURF	NAD			NO
		11-23-JW-25		NAD			
		11-23-JW-26		NAD			
003, 023	Dark yellow carpet adhesive	11-23-JW-27	MISC	NAD			NO
		11-23-JW-28		NAD		NAD	
003, 021	Skim coat on metal wall panels	11-23-JW-33	SURF	NAD			NO
		11-23-JW-34		NAD			
		11-23-JW-35		NAD			
		11-23-JW-36		NAD			
		11-23-JW-37		NAD			

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE NAD=NO ASBESTOS DETECTED F = FRIABLE NF = NON-FRIABLE TSI = THERMAL SYSTEMS INSULATION SURF = SURFACING MATERIAL MISC = MISCELLANEOUS MATERIAL	SF = SQUARE FEET LF = LINEAR FEET Chrys = Chrysotile Amos = Amosite Anth = Anthophylite Trem =Tremolite Croc=Crocidolite	PLM PC=EPA 600/R-93/116 QUANTITATION 400 POINT COUNT TEM NOB = NEW YORK ELAP 198.4 METHOD PLM=EPA 600/R-93/116 PS=Previously Sampled

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NON - ASBESTOS CONTAINING MATERIALS
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LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CLASS	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
003, 017, 027, 030, 036	Skim coat plaster	11-23-JW-38	SURF	NAD			NO
		11-23-JW-39		NAD			
		11-23-JW-40		NAD			
		11-23-JW-41		NAD			
		11-23-JW-42		NAD			
003, 017, 027, 030, 036	Rough coat plaster	11-23-JW-43	SURF	NAD			NO
		11-23-JW-44		NAD			
		11-23-JW-45		NAD			
		11-23-JW-46		NAD			
		11-23-JW-47		NAD			
006	Brown vinyl cove base	11-23-JW-48	MISC	NAD			NO
		11-23-JW-49		NAD			
006, 014	Tan vinyl cove base adhesive	11-23-JW-50	MISC	NAD			NO
		11-23-JW-51		NAD			
006, 007	Dark brown carpet adhesive	11-23-JW-52	MISC	NAD			NO
		11-23-JW-53		NAD			
006, 018	2' x 4' dented ceiling tiles	11-23-JW-54	MISC	NAD			NO
		11-23-JW-55		NAD			
007, 011	Brown 12" x 12" floor tile	11-23-JW-56	MISC	NAD			NO
		11-23-JW-57		NAD			
007, 011	Brown 12" x 12" floor tile mastic	11-23-JW-58	MISC	NAD			NO
		11-23-JW-59		NAD			
007	Soft light-weight floor concrete	11-23-JW-60	MISC	NAD			NO
		11-23-JW-61		NAD			
010	Gray ceramic wall tile adhesive	11-23-JW-62	MISC	NAD			NO
		11-23-JW-63		NAD			

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LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CLASS	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
010	Ceramic tile grout	11-23-JW-64	MISC	NAD			NO
		11-23-JW-65		NAD			
011	1' x 1' pinhole ceiling tile	11-23-JW-66	MISC	NAD			NO
		11-23-JW-67		NAD			
011, 021	Brown glue daubs associated with 1' x 1' acoustical ceiling tile	11-23-JW-68	MISC	NAD			NO
		11-23-JW-69		NAD			
014	Gray vinyl cove base	11-23-JW-70	MISC	NAD			NO
		11-23-JW-71		NAD			
014	White sink undercoating	11-23-JW-72	MISC	NAD			NO
		11-23-JW-73		NAD			
018	White and gray 12" x 12" floor tile*	11-23-JW-76	MISC	NAD			NO
		11-23-JW-77		NAD			
017	Yellow adhesive behind blackboard	11-23-JW-78	MISC	NAD			NO
		11-23-JW-79		NAD			
017	Gray tack board	11-23-JW-80	MISC	NAD			NO
		11-23-JW-81		NAD			
021	Green flooring product	11-23-JW-82	MISC	NAD			NO
		11-23-JW-83		NAD			
021, 023	Gray vapor barrier under green flooring	11-23-JW-84	MISC	NAD			NO
		11-23-JW-85		NAD			
Façade A, B	White silicone replacement caulk	11-23-JW-86	MISC	NAD			NO
		11-23-JW-87		NAD			
Façade A, B, D	White stucco on concrete block	11-23-JW-88	MISC	NAD			NO
		11-23-JW-89		NAD			
		11-23-JW-90		NAD			

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4.0 LEAD-BASED PAINT

X-Ray Fluorescence Screen

The lead-based paint screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 1509 within the limits of the inspection area(s). The screen includes only accessible areas within the inspection area(s) and accessible building materials.

Inspection

The lead-based paint screen is performed to determine if detectable levels of lead are present in surface coatings on building materials. Surface coatings including but no limited to paint, varnish and shellac containing detectable levels of lead (>0.0 mg/cm²), and will be disturbed by renovation activities, require the contractor to perform an initial exposure assessment to evaluate lead exposure to their employees.

Prior to any testing, the XRF was calibrated against the manufacturer's test block and the National Institute of Science and Technology (NIST) 1.02 mg/cm² Standard Reference Material. Testing was initiated upon successful calibration checks against the referenced standards.

The lead-based paint screen includes testing limited components and or surfaces throughout the structure. It is not the intent to test all painted components, but to identify on a broad scale the impact of lead paint as it relates to the disposal of lead paint contaminated debris and potential worker exposure issues. Generally, wall and ceiling surfaces, painted floors, window systems and door systems are tested. Other components such as baseboards, cabinets, columns, trim, etc. are tested on a limited basis. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" side following in a clockwise order.

The data is presented on computer generated Lead Inspection Reports contained in Appendix 3. The Summary Report provides an inventory of each surface coating that contains lead at or above 1.0 mg/cm². The Detailed Report is an inventory of each tested surface on a room-by-room basis.

For the purpose of this report, the XRF results are separated into two (2) categories; high levels of lead (>1.0 mg/cm²) and low levels of lead (<1.0 mg/cm²). Building materials containing high levels of lead have a greater probability of creating worker exposures during construction than do building materials with low levels of lead. Additionally, lead waste characterization sampling is required for building materials containing high levels of lead (>1.0 mg/cm²) and will become a waste product as a result of demolition or renovation activities.

Discussion

Worker Protection

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead Exposure in Construction; Interim Final Rule. Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure. Any detectable level of lead in paint (>0.0 mg/cm² by XRF or >0.01 % by AAS) requires task specific exposure monitoring.

This "initial exposure assessment" must be conducted by trained workers utilizing appropriate personal protective equipment. Exposure assessments must be conducted for each task where painted surfaces or components are disturbed.

Examples of task subject to initial monitoring when detectable levels of lead are identified include but are not limited too surface preparation for repainting, manual demolition of components with detectable levels of lead paint and the welding, cutting or grinding of steel with detectable levels of lead in paint. Refer to the OSHA Lead in Construction Regulation, 29 CFR 1926.62 for expected exposures for each task.

Lead Waste Characterization

The State of Connecticut Department of Environmental Protection regulates the disposal of hazardous waste. The required analytical test to determine a materials waste classification is the Toxicity Characteristic Leachate Procedure, or TCLP (Regulation of State DEP 22a-449© - 101 (a) (1), incorporating 40 CFR 262.24).

The TCLP test subjects a 100-gram sample of waste material to a simulated landfill leaching condition, and assesses the ability of the sample to leach out lead into the environment. The waste is classified as hazardous lead waste if the TCLP sample result is greater than 5.0 mg/l of lead. The waste is classified as non-hazardous solid waste if the TCLP sample result is less than 5.0 mg/l of lead. Building debris containing equal to or greater than 1.0 mg/cm^2 of lead by XRF requires waste classification analysis.

There are two (2) primary approaches for TCLP sampling. Both methods utilize the data generated during the lead screen to determine which building materials contain lead in paint coatings and what percentage of the waste stream will consist of the leaded materials. The two (2) basic approaches are described below.

Screen, Sample, and Segregate Method

The Screen, Sample, and Segregate method of TCLP sampling is conducted in accordance with the State of Connecticut Department of Environmental Protection Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries. This method entails screening the building components scheduled to be removed with an XRF lead paint analyzer. Components that are determined to be lead containing are sampled and analyzed by TCLP based on their contribution into the waste stream. The waste stream is made up of those building components that will be removed from the structure as part of the renovation or demolition process. It is very important to accurately identify the waste stream in order for the TCLP sample to be truly representative.

The TCLP sample consists of the building materials that contain lead. The building materials are carefully removed at the site using coring devices or by saw cutting. The building materials are then placed directly into polyethylene zip lock bags for transmission to the laboratory.

Composite Sample and Demolish Method

The Composite Sample and Demolish Method of TCLP sampling is conducted in accordance with the State of Connecticut Department of Environmental Protection Guidance for the Management and Disposal of Lead-Contaminated Materials Generated in the Lead Abatement, Renovation, and Demolition Industries. This method utilizes composite samples to assess the lead content of the entire quantity of debris to be removed.

This sampling method is best utilized for whole building demolitions where the quantity of non-lead debris is expected to be much greater than that of the leaded debris. The first step in the sampling process requires the inspector to identify the potential waste stream of the structure to be demolished.

The waste stream is made up of those building components that will be disposed of once the structure is demolished. The inspector calculates the mass by weight of each group of building components within the building (i.e. studs, framing, sheathing, siding, doors, windows, etc.). The lead testing results enables the inspector to determine the percentages of components, within each group, that contain lead. With this information, the inspector can than calculate the percent by weight contribution of each components contribution into the waste stream. This takes into account the ratio of leaded components verse non-leaded components within each group.

The actual sampling is performed by collecting samples of each building component. The components are then mixed together in proportion to their percent by weight of the total quantity of debris to be removed.

Results

XRF Testing Results

A total of two hundred-ninety two (292) XRF readings were collected during the lead-based paint screen of the building. The lead-based paint screen identified a limited quantity of components or surfaces that contain high levels of lead in paint coatings. The summary report associated with the test results identifies the building components that were found to contain high levels of lead in paint. The remaining components and surfaces that were tested contain no lead or low levels of lead in paint coatings.

A complete inventory of tested building materials is presented in Detailed Reports contained Appendix 3.

Lead Waste Characterization Results

Due to the limited quantity of materials containing lead based paint; TCLP sampling was not required for this project.

Conclusion

Worker Protection

Initial exposure assessments must be performed on employees performing tasks that disturb building materials, which contain detectable levels of lead in paint such as manual demolition, salvage and other paint disturbing tasks. The employer shall assume that employee exposures are above the Permissible Exposure Limit (PEL) of 50 ug/m^3 but not in excess of ten (10) times the PEL for manual demolition, manual scraping, manual sanding, heat gun applications, power tool cleaning with dust collection systems and spray painting with lead paint. Until the employer provides an employee exposure assessment, the employer shall provide the employee with appropriate respiratory protection, appropriate personal protective clothing and equipment, change areas, hand washing stations, biological monitoring and training.

Waste Characterization

As we did not know the extent of renovation that will be undertaken and thereby the waste stream, we did not collect any TCLP sample for waste characterization. Metal components with lead paint are not included in the waste stream and may be recycled at an approved recycling facility.

5.0 UNIVERSAL WASTE

Universal Waste products include a group of materials (PCB or DEHP containing items, Mercury containing items, Chlorofluorocarbons, Radon and Oil Storage Tanks) that are sometimes found in building materials or are a component of a building fixture that is subject to universal waste regulations. Universal wastes include fluorescent lamps, thermostats, mercury switches, manometers, natural gas meters, used electronics and batteries. There are other Universal Waste products such as pesticides that are not building materials and are not included in the scope of this inspection. Universal Waste products are subject to USEPA and state regulations. These regulations promote collection and recycling of these materials by easing regulatory burden. In addition, the regulations also ensure that the wastes subject to this system will go to appropriate treatment or recycling facilities pursuant to the full hazardous waste regulatory controls.

PCB or DEHP Containing Items

Oil-filled or running capacitors are predominately, but not exclusively, found in air conditioners, fluorescent light ballasts, dehumidifiers, microwave ovens, submersible pumps, mercury vapor lamps, copy machines and electrical control panels. Oil capacitors are less commonly found in refrigerators, washing machines, dryers and fans. These capacitors are designed to stay in a motor circuit for the entire cycle of operation. The oil helps to dissipate the heat in the capacitor during operation and maximizes the running efficiency of a motor. Running capacitors are identified by rectangular or oval metal casing. An oil-filled capacitor manufactured after 1979 may have "NO PCB's" stamped on its casing. These are filled with oil which does not contain PCB's but may contain DEHP. Capacitors with date stamps prior to 1979 or no date stamps are assumed to contain PCB's.

Starting or electrolytic capacitors are used to assist a single phase electric motor in starting. These components are used for short periods of time during operation of the motor. Consequently, starting capacitors are most easily identified by black plastic casing or outer shell. If the capacitor is dry, the casing is not hermetically sealed or totally enclosed, but generally contains a porous plug at one end.

Note: We did not find any caulk/glazing compound on the windows and doors to be sampled for PCB. All the windows were vinyl replacement windows.

Mercury Containing Items

During the inspection process all fluorescent, metal halide and sodium lamps are assumed to contain mercury vapors unless the end caps of the tubes are green indicating they are Mercury free. Thermostatic controls, switches, manometers and other used electronic components also are disassembled and inspected for the presence of mercury bulbs. Electronic or pneumatic thermostats generally do not contain mercury bulbs. Eagle Environmental, Inc. performed a visual inspection within the building for mercury vapor lighting and thermostatic controls with mercury bulbs.

Results

The total quantity and location of each material type identified during the inspection is provided in Table C.

Conclusion

All Universal Waste Products must be removed for proper recycling prior to renovation/demolition.

Used Electronics and Batteries

Eagle Environmental, Inc. performed a visual inspection within the building for used electronics and batteries.

Chlorofluorocarbons

Inspection

Eagle Environmental inspected the building for compressor tanks associated with the indoor environmental cooling system and walk-in coolers or freezers. The inspectors also inspected rooftop HVAC units where present. These tanks are all assumed to be Freon containing tanks.

Results

A total of eleven (11) air-conditioning units were identified during the inspection. These units need to be purged of remaining CFCs before dismantling.

Conclusion

All refrigerant containing compressor tanks must have the refrigerants reclaimed prior to disposing of the tanks. Manifest for the reclamation of the refrigerants must be retained by the building owner.

TA. C
UNIVERSAL WASTE PRODUCTS
SUMMARY TABLE
61 DURANT TERRACE
MIDDLETOWN, CONNECTICUT

ROOM	FIXTURE	BALLAST TYPE			ELECTRONICS			THERMOSTATS	LAMPS			BATTERIES
		PCB	DEHP	ELEC.	SPENT	CAPACITOR	CFC's		LF	ROUND	U SHAPE	
001			2						16			
002			2						16			
003			1						8			2 @ Emergency Light
004			1						8			
005			1						8			
006			6						72			
007			14				(3) A.C.		224			
008			2						18			1 @ Emergency Light
009			2						16			
010			2						16			
011			1						8			1 @ Emergency Light
012			12						192			
013			1						4			
014			4						32			
015			1						8			
016			4						32			
017			6						96			
018			8						128			
019			2						16			
020			1						8			
021			9						144			4 @ Emergency Light
022			2						16			
023			8				(1) A.C.		128			
024			8				(1) A.C.		128			
025			8				(1) A.C.		128			
026			1						2			
027			2						16			
028			8				(1) A.C.		128			
029			8				(1) A.C.	(1) Mercury Thermostate	128			
030			2						16			
031			4						32			
032			1						8			

TA C

UNIVERSAL WASTE PRODUCTS
SUMMARY TABLE
61 DURANT TERRACE
MIDDLETOWN, CONNECTICUT

ROOM	FIXTURE	BALLAST TYPE			ELECTRONICS			THERMOSTATS	LAMPS			BATTERIES
		PCB	DEHP	ELEC.	SPENT	CAPACITOR	CFC's		LF	ROUND	U SHAPE	
033			5				(3) A.C.		88			
034			3						48			
035			4						64			
036			1						8			
TOTAL			**147**				**11**	**1**	**2008**			**8**
NOTES												
FIXTURE TYPE DISCRIPTION												

6.0 OTHER ENVIRONMENTAL CONCERNS

Storage Tanks

Inspection

Eagle Environmental, Inc. performed a visual inspection for the presence of storage tanks at the site. This included inspecting the interior, primarily the basement, for above ground storage tanks (AST). The exterior of the site is also inspected for the presence of vent or fill pipes associated with underground storage tanks (UST). The inspection is limited to only those visible components that may be associated with a storage tank. UST's that have been previously abandoned with the fill and vent pipes removed cannot be identified based on this level of inspection.

Results

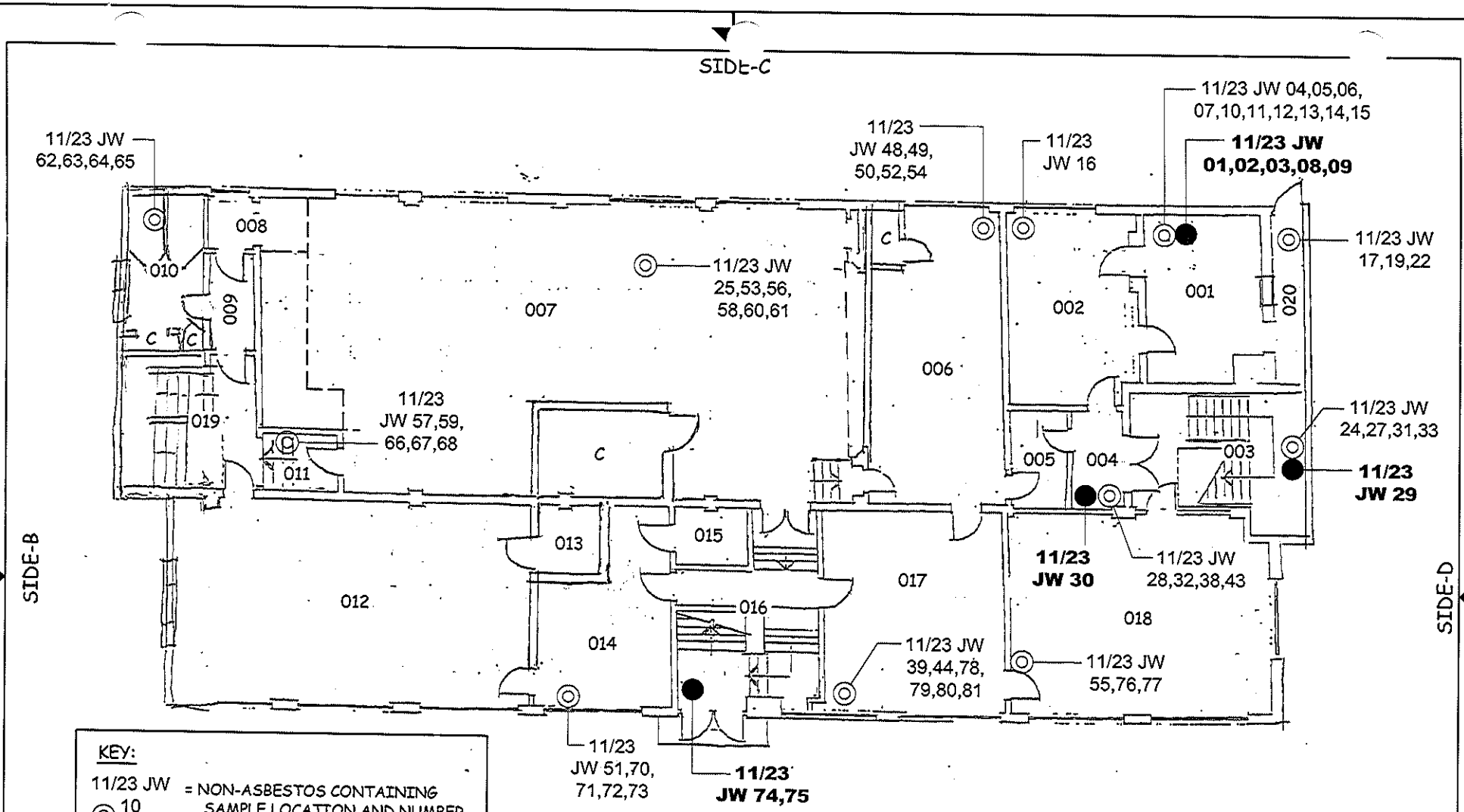
One (1) underground storage tank (UST) was identified at the site. The tank is located in Façade C and D

Conclusion

The UST must be removed, pumped free of any remaining product, cleaned and recycled. The potential exists for soil contamination around the tank grave of the UST if it has been leaking. Through this limited survey, it cannot be determined if the tank has leaked or if soil contamination is present in the tank grave.

7.0 COST ESTIMATES

This is a budgetary opinion of cost that is expected to be within -15 to + 30 percent of the actual cost. Eagle Environmental, Inc. has no control over the cost of labor, materials, equipment or services furnished by others, or over the Contractor(s)' methods of determining prices, or over competitive bidding or market conditions. Eagle Environmental, Inc.'s opinion of probable cost of abatement are made on the basis of Eagle Environmental, Inc.'s experience and qualifications and represent Eagle Environmental, Inc.'s judgment as an experienced and qualified consultant familiar with the abatement industry; but Eagle Environmental, Inc. cannot and does not guarantee that proposals, bids or actual Total Project or Abatement Cost will not vary from opinions of probable cost prepared by Eagle Environmental, Inc. If prior to the bidding or negotiating phase the Owner wishes greater assurance as to Total Project or Abatement Cost the Owner shall employ an independent cost estimator.



KEY:

11/23 JW 10 = NON-ASBESTOS CONTAINING SAMPLE LOCATION AND NUMBER

11/23 JW 12 = ASBESTOS CONTAINING SAMPLE LOCATION AND NUMBER

BASEMENT FLOOR

NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

EAGLE ENVIRONMENTAL, INC.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

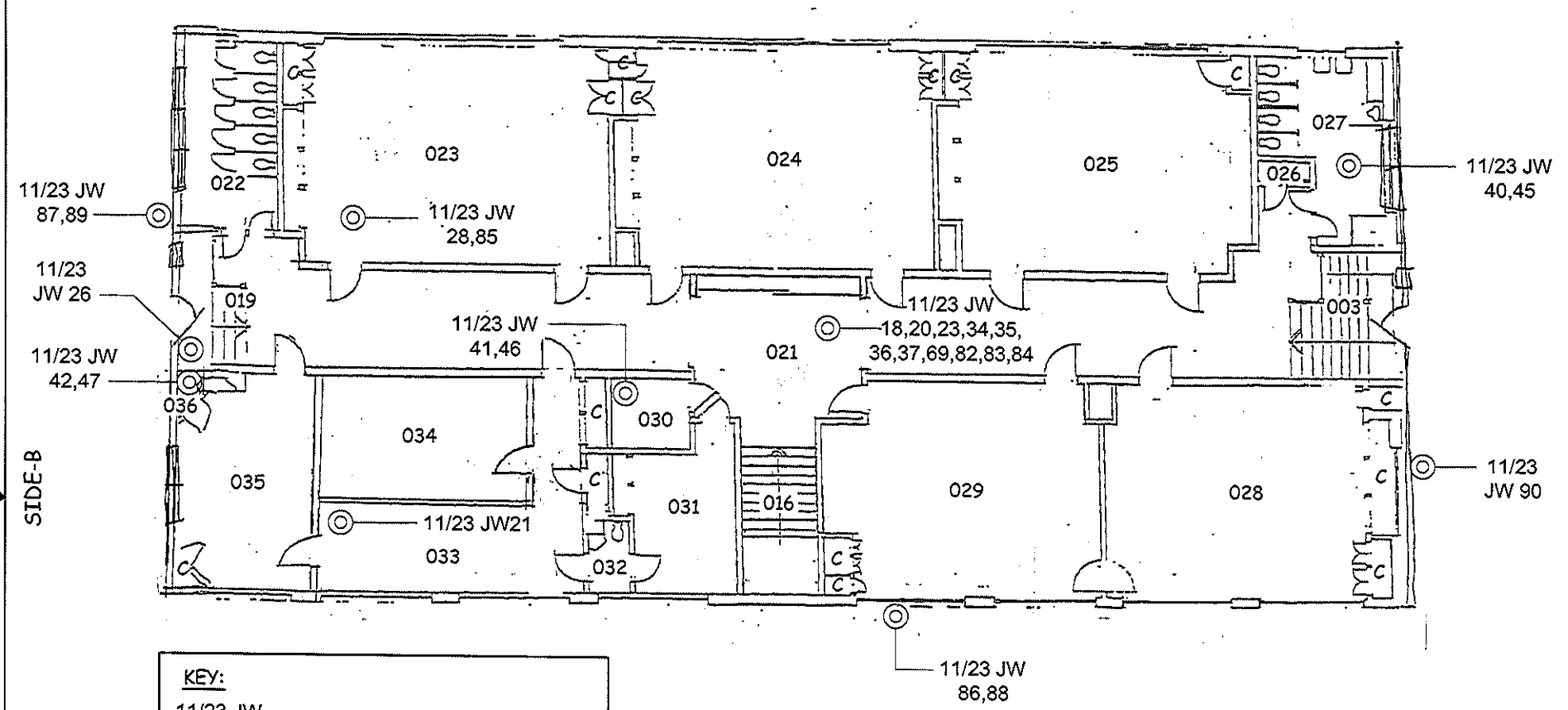
HAZARDOUS BUILDING MATERIALS INSPECTION
61 DURANT TERRACE, MIDDLETOWN, CONNECTICUT
BASEMENT FLOOR PLAN
WITH SAMPLE LOCATION DIAGRAM

DATE: 11/24/10
PROJECT NO.: 10-038.13
DRAWN BY: MR
REVIEWED BY: AR, CL

SHEET NO.
FP-1
SHEET 1 OF 3

FILE NAME: P:\2010 Files\2010 AutoCad\Middletown, City of\61 Durant Terrace\INSPECTION\61 Durant Terrace.Floor Plans.dwg

SIDE-C



SIDE-B

SIDE-D

KEY:

11/23 JW 10 = NON-ASBESTOS CONTAINING SAMPLE LOCATION AND NUMBER

11/23 JW 12 = ASBESTOS CONTAINING SAMPLE LOCATION AND NUMBER

MAIN FLOOR

NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

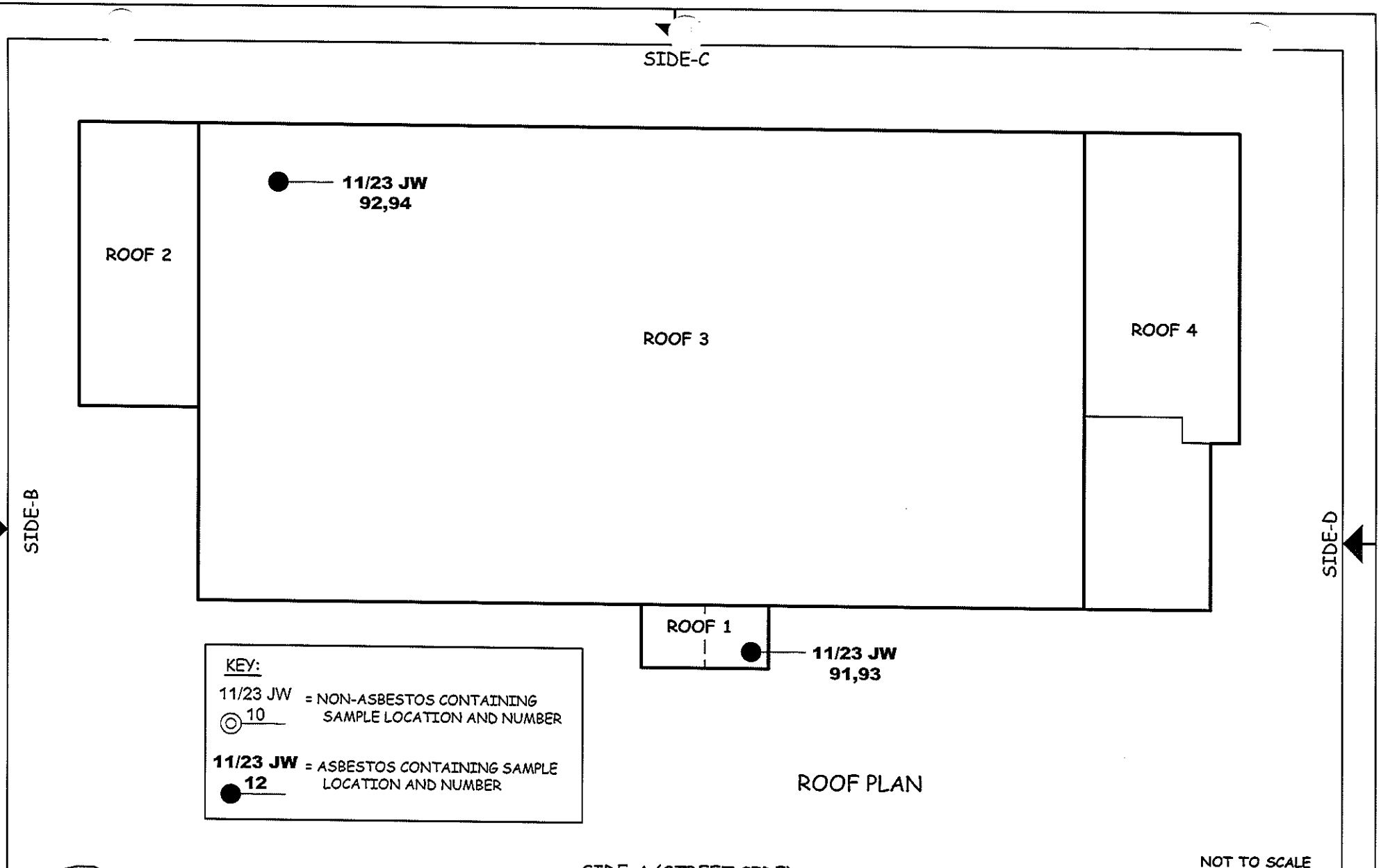
EAGLE ENVIRONMENTAL, INC.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

HAZARDOUS BUILDING MATERIALS INSPECTION
61 DURANT TERRACE, MIDDLETOWN, CONNECTICUT
MAIN FLOOR PLAN
WITH SAMPLE LOCATION DIAGRAM

DATE: 11/24/10
PROJECT NO.: 10-038.13
DRAWN BY: MR
REVIEWED BY: AR, CL

SHEET NO.
FP-2
SHEET 2 OF 3

FILE NAME: P:\2010 Files\2010 AutoCad\Middletown, City of\61 Durant Terrace\INSPECTION\61 Durant Terrace.Floor Plans.dwg



EAGLE ENVIRONMENTAL, INC.
531 NORTH MAIN STREET
BRISTOL, CONNECTICUT 06010
860-589-8257

HAZARDOUS BUILDING MATERIALS INSPECTION
61 DURANT TERRACE, MIDDLETOWN, CONNECTICUT
ROOF PLAN
WITH SAMPLE LOCATION DIAGRAM

DATE: 11/24/10
PROJECT NO.: 10-038.13
DRAWN BY: MR
REVIEWED BY: AR, CL

SHEET NO.
RP-1
SHEET 3 OF 3

FILE NAME: P:\2010 Files\2010 AutoCad\Middletown, City of\61 Durant Terrace\INSPECTION\61 Durant Terrace.Floor Plans.dwg

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Your Name: Brandy LeBlanc **Project Manager:** Ashis Roychowdhury

Company: Eagle Environmental, Inc.

Street: 531 North Main Street

City/State/Zip: Bristol, CT 06010

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** halasa@eagleenviro.com, ghoweli@eagleenviro.com bleblanc@eagleenviro.com

Project Name PreReno HBMI **Project #:** 10-038.13

Project Location: 61 Durant Terrace, Middletown CT **Project State (US):** CT

TURNAROUND TIME

☐ 3 Hours ☐ 6 Hours ☐ 24 Hours ☐ 48 Hours ☐ 72 Hours ☐ 4 Days ☒ 5 Days ☐ 6-10 Days

SAMPLE MATRIX

☐ Air ☒ Bulk ☐ Soil ☐ Wipe ☐ Micro-Vac ☐ Drinking Water ☐ Wastewater ☐ Chips ☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☒ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988 02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative ☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:

Additional Information/Comments/Instructions: ****PLEASE STOP ON 1ST POSITIVE WITHIN SETS**

11-23-JWT 01 . 11-23-JWT-94

Client Sample # (S) _____ **TOTAL SAMPLE #** 94

Relinquished:		**Date:** 11-24-10	**Time:** 11:45 AM.
Received:		**Date:** 11-24-10	**Time:** 11:45 AM
Relinquished:		**Date:** 11-24-10	**Time:** 5:00 PM
Received:		**Date:** 11/26/10	**Time:** 10:28 am

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SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)		Area (Inches sq.)
11-23-JW-01	Residual aircell pipe insulation	Room 001			
11-23-JW-02	Residual aircell pipe insulation	Room 001			
11-23-JW-03	Residual aircell pipe insulation	Room 001			
11-23-JW-04	White rope gasket @ breech flange	Room 001			
11-23-JW-05	White rope gasket @ breech flange	Room 001			
11-23-JW-06	Grey mortar on steel breeching	Room 001			
11-23-JW-07	Grey mortar @ old ash clean out	Room 001			
11-23-JW-08	Brn brittle caulk @ hot H20 tank exhaust	Room 001			
11-23-JW-09	Brn brittle caulk @ hot H20 tank exhaust	Room 001			
11-23-JW-10	Residual white debris under boiler	Room 001			
11-23-JW-11	Residual white debris under boiler	Room 001			
11-23-JW-12	Residual white debris under boiler	Room 001			
11-23-JW-13	White boiler base concrete pad	Room 001			
11-23-JW-14	White boiler base concrete pad	Room 001			
11-23-JW-15	White win. glaz. cmpd. @ window in doors	Room 001			
11-23-JW-16	White win. glaz. cmpd. @ window in doors	Room 002			
11-23-JW-17	Sheetrock	Room 020			
11-23-JW-18	Sheetrock	Room 021			
11-23-JW-19	Joint compound	Room 020			
11-23-JW-20	Joint compound	Room 021			
11-23-JW-21	Joint compound	Room 033			
11-23-JW-22	Sheetrock - joint compound composite	Room 020			
11-23-JW-23	Sheetrock - joint compound composite	Room 021			
11-23-JW-24	Textured wall paint on concrete	Room 003			
11-23-JW-25	Textured wall paint on concrete	Room 007			
11-23-JW-26	Textured wall paint on concrete	Room 019			

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SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (Inches sq.)
11-23-JW-27	Dark yellow carpet adhesive	Room 003		
11-23-JW-28	Dark yellow carpet adhesive	Room 023		
11-23-JW-29	Gray 9"x9" floor tile	Room 003		
11-23-JW-30	Gray 9"x9" floor tile	Room 004		
11-23-JW-31	Black mastic associated with 9"x9" tile	Room 003		
11-23-JW-32	Black mastic associated with 9"x9" tile	Room 004		
11-23-JW-33	Skim coat on metal wall panels	Room 003		
11-23-JW-34	Skim coat on metal wall panels	Room 021		
11-23-JW-35	Skim coat on metal wall panels	Room 021		
11-23-JW-36	Skim coat on metal wall panels	Room 021		
11-23-JW-37	Skim coat on metal wall panels	Room 021		
11-23-JW-38	Skim coat plaster	Room 004		
11-23-JW-39	Skim coat plaster	Room 017		
11-23-JW-40	Skim coat plaster	Room 027		
11-23-JW-41	Skim coat plaster	Room 030		
11-23-JW-42	Skim coat plaster	Room 036		
11-23-JW-43	Rough coat plaster	Room 004		
11-23-JW-44	Rough coat plaster	Room 017		
11-23-JW-45	Rough coat plaster	Room 027		
11-23-JW-46	Rough coat plaster	Room 030		
11-23-JW-47	Rough coat plaster	Room 036		
11-23-JW-48	Brown vinyl cove base	Room 006		
11-23-JW-49	Brown vinyl cove base	Room 006		
11-23-JW-50	Tan vinyl cove base adhesive	Room 006		
11-23-JW-51	Tan vinyl cove base adhesive	Room 014		

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SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)	Area (inches sq.)
11-23-JW-52	Dark brown carpet adhesive	Room 006		
11-23-JW-53	Dark brown carpet adhesive	Room 007		
11-23-JW-54	2'x4' dented ceiling tiles	Room 006		
11-23-JW-55	2'x4' dented ceiling tiles	Room 018		
11-23-JW-56	Brown 12"x12" floor tile	Room 007		
11-23-JW-57	Brown 12"x12" floor tile	Room 011		
11-23-JW-58	Brown 12"x12" floor tile mastic	Room 007		
11-23-JW-59	Brown 12"x12" floor tile mastic	Room 011		
11-23-JW-60	Soft light-weight floor concrete	Room 007		
11-23-JW-61	Soft light-weight floor concrete	Room 007		
11-23-JW-62	Gray ceramic wall tile adhesive	Room 010		
11-23-JW-63	Gray ceramic wall tile adhesive	Room 010		
11-23-JW-64	Ceramic tile grout	Room 010		
11-23-JW-65	Ceramic tile grout	Room 010		
11-23-JW-66	1'x1' pinhole ceiling tile	Room 011		
11-23-JW-67	1'x1' pinhole ceiling tile	Room 011		
11-23-JW-68	Brown glue daubs assoc. with 1'x1' tile	Room 011		
11-23-JW-69	Brown glue daubs assoc. with 1'x1' tile	Room 021		
11-23-JW-70	Gray vinyl cove base	Room 014		
11-23-JW-71	Gray vinyl cove base	Room 014		
11-23-JW-72	White sink undercoating	Room 014		
11-23-JW-73	White sink undercoating	Room 014		
11-23-JW-74	Red 9"x9" floor tile	Room 016		
11-23-JW-75	Red 9"x9" floor tile	Room 016		

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SAMPLE NUMBER	SAMPLE DESCRIPTION	LOCATION	VOLUME Air (L)		Area (Inches sq.)
11-23-JW-76	White and gray 12"x12" floor tile	Room 018			
11-23-JW-77	White and gray 12"x12" floor tile	Room 018			
11-23-JW-78	Yellow adhesive behind blackboard	Room 017			
11-23-JW-79	Yellow adhesive behind blackboard	Room 017			
11-23-JW-80	Gray tackboard	Room 017			
11-23-JW-81	Gray tackboard	Room 017			
11-23-JW-82	Green flooring product	Room 021			
11-23-JW-83	Green flooring product	Room 021			
11-23-JW-84	Gray vapor barrier under green flooring	Room 021			
11-23-JW-85	Gray vapor barrier under hardwood floor	Room 023			
11-23-JW-86	White silicone replacement caulk	A-Facade			
11-23-JW-87	White silicone replacement caulk	B-Facade			
11-23-JW-88	White stucco on concrete block	A-Facade			
11-23-JW-89	White stucco on concrete block	B-Facade			
11-23-JW-90	White stucco on concrete block	D-Facade			
11-23-JW-91	Red cement board roof shingles	Roof 1			
11-23-JW-92	Red cement board roof shingles	Roof 3			
11-23-JW-93	Black flashing cement	Roof 1			
11-23-JW-94	Black flashing cement	Roof 3			

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Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
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EMSL Proj:
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
11-23-JW-01 *031032507-0001*	RESIDUAL AIRCELL PIPE INSULATION/ ROOM 001	White Fibrous Heterogeneous	20%	Cellulose	15% Non-fibrous (other)	**65% Chrysotile**
11-23-JW-02 *031032507-0002*	RESIDUAL AIRCELL PIPE INSULATION/ ROOM 001					**Stop Positive (Not Analyzed)**
11-23-JW-03 *031032507-0003*	RESIDUAL AIRCELL PIPE INSULATION/ ROOM 001					**Stop Positive (Not Analyzed)**
11-23-JW-04 *031032507-0004*	WHITE ROPE GASKET @ BREECH FLANGE/ ROOM 001	White Fibrous Heterogeneous	85%	Glass	15% Non-fibrous (other)	**None Detected**
11-23-JW-05 *031032507-0005*	WHITE ROPE GASKET @ BREECH FLANGE/ ROOM 001	White Fibrous Heterogeneous	85%	Glass	15% Non-fibrous (other)	**None Detected**
11-23-JW-06 *031032507-0006*	GREY MORTAR ON STEEL BREECHING/ ROOM 001	Gray Non-Fibrous Heterogeneous	5% 20%	Glass Wollastonite	75% Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-07 *031032507-0007*	GREY MORTAR @ OLD ASH CLEAN OUT/ ROOM 001	Gray Non-Fibrous Heterogeneous	20% Wollastonite	80% Non-fibrous (other)	**None Detected**
11-23-JW-08 *031032507-0008*	BRN BRITTLE CAULK @ HOT H20 TANK EXHAUST/ ROOM 001	Brown Non-Fibrous Heterogeneous		98% Non-fibrous (other)	**2% Chrysotile**
11-23-JW-09 *031032507-0009*	BRN BRITTLE CAULK @ HOT H20 TANK EXHAUST/ ROOM 001				**Stop Positive (Not Analyzed)**
11-23-JW-10 *031032507-0010*	RESIDUAL WHITE DEBRIS UNDER BOILER/ ROOM 001	Gray Non-Fibrous Heterogeneous	20% Wollastonite	80% Non-fibrous (other)	**None Detected**
11-23-JW-11 *031032507-0011*	RESIDUAL WHITE DEBRIS UNDER BOILER/ ROOM 001	Gray Non-Fibrous Heterogeneous	15% Wollastonite	85% Non-fibrous (other)	**None Detected**
11-23-JW-12 *031032507-0012*	RESIDUAL WHITE DEBRIS UNDER BOILER/ ROOM 001	Gray Non-Fibrous Heterogeneous	15% Wollastonite	85% Non-fibrous (other)	**None Detected**

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-13 *031032507-0013*	WHITE BOILER BASE CONCRETE PAD/ ROOM 001	Gray Non-Fibrous Heterogeneous		30% Non-fibrous (other) 45% Quartz 25% Ca Carbonate	None Detected
11-23-JW-14 *031032507-0014*	WHITE BOILER BASE CONCRETE PAD/ ROOM 001	Gray Non-Fibrous Heterogeneous		35% Non-fibrous (other) 45% Quartz 20% Ca Carbonate	None Detected
11-23-JW-15 *031032507-0015*	WHITE WIN. GLAZ CMPD @ WINDOW IN DOORS/ ROOM 001	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-23-JW-16 *031032507-0016*	WHITE WIN. GLAZ CMPD @ WINDOW IN DOORS/ ROOM 002	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	None Detected
11-23-JW-17 *031032507-0017*	SHEETROCK/ ROOM 020	White Non-Fibrous Heterogeneous	5% Cellulose	40% Non-fibrous (other) 55% Gypsum	None Detected
11-23-JW-18 *031032507-0018*	SHEETROCK/ ROOM 021	White Non-Fibrous Heterogeneous	5% Cellulose	40% Non-fibrous (other) 55% Gypsum	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-19 *031032507-0019*	JOINT COMPOUND/ ROOM 020	White Non-Fibrous Heterogeneous		45% Non-fibrous (other) 55% Ca Carbonate	None Detected
11-23-JW-20 *031032507-0020*	JOINT COMPOUND/ ROOM 021	White Non-Fibrous Heterogeneous		45% Non-fibrous (other) 55% Ca Carbonate	None Detected
-23-JW-21 *031032507-0021*	JOINT COMPOUND/ ROOM 033	White Non-Fibrous Heterogeneous		55% Non-fibrous (other) 45% Ca Carbonate	None Detected
11-23-JW-22 *031032507-0022*	SHEETROCK-JOINT COMPOUND COMPOSITE/ ROOM 020	White Non-Fibrous Heterogeneous		55% Non-fibrous (other) 45% Ca Carbonate	None Detected
11-23-JW-23 *031032507-0023*	SHEETROCK-JOINT COMPOUND COMPOSITE/ ROOM 021	White Non-Fibrous Heterogeneous		45% Non-fibrous (other) 10% Gypsum 45% Ca Carbonate	None Detected
11-23-JW-24 *031032507-0024*	TEXTURED WALL PAINT ON CONCRETE/ ROOM 003	White Non-Fibrous Heterogeneous		90% Non-fibrous (other) 10% Quartz	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-25 *031032507-0025*	TEXTURED WALL PAINT ON CONCRETE/ ROOM 007	White Non-Fibrous Heterogeneous		95% Non-fibrous (other) 5% Quartz	None Detected
11-23-JW-26 *031032507-0026*	TEXTURED WALL PAINT ON CONCRETE/ ROOM 019	White Non-Fibrous Heterogeneous		95% Non-fibrous (other) 5% Quartz	None Detected
11-23-JW-27 *031032507-0027*	DARK YELLOW CARPET ADHESIVE/ ROOM 003	Beige Non-Fibrous Heterogeneous	3% Cellulose	10% Non-fibrous (other) 87% Matrix	None Detected
11-23-JW-28 *031032507-0028*	DARK YELLOW CARPET ADHESIVE/ ROOM 023	Beige Non-Fibrous Heterogeneous	2% Cellulose	8% Non-fibrous (other) 90% Matrix	None Detected
11-23-JW-29 *031032507-0029*	GRAY 9X9 FLOOR TILE/ ROOM 003	Gray/Tan Non-Fibrous Heterogeneous		20% Non-fibrous (other) 28% Ca Carbonate 45% Matrix	7% Chrysotile
11-23-JW-30 *031032507-0030*	GRAY 9X9 FLOOR TILE/ ROOM 004				Stop Positive (Not Analyzed)

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-31 *031032507-0031*	BLACK MASTIC ASSOCIATED WITH 9X9 TILE/ ROOM 003	Brown/Black Non-Fibrous Heterogeneous		15% Non-fibrous (other) 35% Quartz 50% Matrix	None Detected
11-23-JW-32 *031032507-0032*	BLACK MASTIC ASSOCIATED WITH 9X9 TILE/ ROOM 004	Brown/Black Non-Fibrous Heterogeneous		5% Non-fibrous (other) 45% Quartz 50% Matrix	None Detected
11-23-JW-33 *031032507-0033*	SKIM COAT ON METAL WALL PANELS/ ROOM 003	White/Cream Non-Fibrous Heterogeneous		20% Non-fibrous (other) 45% Quartz 35% Gypsum	None Detected
11-23-JW-34 *031032507-0034*	SKIM COAT ON METAL WALL PANELS/ ROOM 021	White/Cream Non-Fibrous Heterogeneous		15% Non-fibrous (other) 30% Quartz 55% Gypsum	None Detected
11-23-JW-35 *031032507-0035*	SKIM COAT ON METAL WALL PANELS/ ROOM 021	Tan/White/Green Non-Fibrous Heterogeneous		20% Non-fibrous (other) 50% Quartz 30% Gypsum	None Detected
11-23-JW-36 *031032507-0036*	SKIM COAT ON METAL WALL PANELS/ ROOM 021	Tan/White/Green Non-Fibrous Heterogeneous		20% Non-fibrous (other) 50% Quartz 30% Gypsum	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-37 *031032507-0037*	SKIM COAT ON METAL WALL PANELS/ ROOM 021	Gray/Tan/Green Non-Fibrous Heterogeneous		15% Non-fibrous (other) 55% Quartz 30% Gypsum	None Detected
11-23-JW-38 *031032507-0038*	SKIM COAT PLASTER/ ROOM 004	Gray/White Non-Fibrous Heterogeneous	1% Fibrous (other)	15% Non-fibrous (other) 59% Quartz 25% Gypsum	None Detected
11-23-JW-39 *031032507-0039*	SKIM COAT PLASTER/ ROOM 017	Gray/White Non-Fibrous Heterogeneous		15% Non-fibrous (other) 55% Quartz 30% Gypsum	None Detected
11-23-JW-40 *031032507-0040*	SKIM COAT PLASTER/ ROOM 027	Gray/White Non-Fibrous Heterogeneous	<1% Cellulose	20% Non-fibrous (other) 50% Quartz 30% Gypsum	None Detected
11-23-JW-41 *031032507-0041*	SKIM COAT PLASTER/ ROOM 030	Gray/White Non-Fibrous Heterogeneous	<1% Cellulose	15% Non-fibrous (other) 55% Quartz 30% Gypsum	None Detected
11-23-JW-42 *031032507-0042*	SKIM COAT PLASTER/ ROOM 036	Gray/White Non-Fibrous Heterogeneous	<1% Cellulose	15% Non-fibrous (other) 55% Quartz 30% Gypsum	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-43 *031032507-0043*	ROUGH COAT PLASTER/ ROOM 004	Gray/Tan/White Non-Fibrous Heterogeneous		25% Non-fibrous (other) 20% Ca Carbonate 55% Quartz	None Detected
11-23-JW-44 *031032507-0044*	ROUGH COAT PLASTER/ ROOM 017	Brown/Gray Non-Fibrous Heterogeneous	<1% Cellulose	15% Non-fibrous (other) 55% Quartz 30% Gypsum	None Detected
11-23-JW-45 *031032507-0045*	ROUGH COAT PLASTER/ ROOM 027	Brown/Tan Non-Fibrous Heterogeneous	2% Cellulose	30% Non-fibrous (other) 43% Quartz 25% Gypsum	None Detected
11-23-JW-46 *031032507-0046*	ROUGH COAT PLASTER/ ROOM 030	Brown/Tan Non-Fibrous Heterogeneous	<1% Cellulose	30% Non-fibrous (other) 40% Quartz 30% Gypsum	None Detected
11-23-JW-47 *031032507-0047*	ROUGH COAT PLASTER/ ROOM 036	Brown/Tan Non-Fibrous Heterogeneous	<1% Cellulose	30% Non-fibrous (other) 40% Quartz 30% Gypsum	None Detected
11-23-JW-48 *031032507-0048*	BROWN VINYL COVE BASE/ ROOM 006	Brown Non-Fibrous Homogeneous		0% Non-fibrous (other) 20% Ca Carbonate 80% Matrix	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-49 *031032507-0049*	BROWN VINYL COVE BASE/ ROOM 006	Brown Non-Fibrous Homogeneous		0% Non-fibrous (other) 15% Ca Carbonate 85% Matrix	None Detected
11-23-JW-50 *031032507-0050*	TAN VINYL COVE BASE ADHESIVE/ ROOM 006	Tan/Clear Non-Fibrous Heterogeneous		0% Non-fibrous (other) 65% Ca Carbonate 35% Matrix	None Detected
11-23-JW-51 *031032507-0051*	TAN VINYL COVE BASE ADHESIVE/ ROOM 014	Tan/Clear Non-Fibrous Heterogeneous		0% Non-fibrous (other) 65% Ca Carbonate 35% Matrix	None Detected
11-23-JW-52 *031032507-0052*	DARK BROWN CARPET ADHESIVE/ ROOM 006	Brown/Yellow Non-Fibrous Heterogeneous		15% Non-fibrous (other) 80% Matrix 5% Ca Carbonate	None Detected
11-23-JW-53 *031032507-0053*	DARK BROWN CARPET ADHESIVE/ ROOM 007	Brown/Yellow Non-Fibrous Heterogeneous		12% Non-fibrous (other) 3% Ca Carbonate 85% Matrix	None Detected
11-23-JW-54 *031032507-0054*	2X4 DENTED CEILING TILES/ ROOM 006	Gray/White Non-Fibrous Heterogeneous	10% Glass 50% Cellulose	15% Non-fibrous (other) 25% Perlite	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-55 *031032507-0055*	2X4 DENTED CEILING TILES/ ROOM 018	Gray/White Non-Fibrous Heterogeneous	15% Glass 45% Cellulose	15% Non-fibrous (other) 25% Perlite	None Detected
11-23-JW-56 *031032507-0056*	BROWN 12X12 FLOOR TILES/ ROOM 007	Brown/Tan Non-Fibrous Heterogeneous		40% Non-fibrous (other) 25% Ca Carbonate 35% Matrix	None Detected
11-23-JW-57 *031032507-0057*	BROWN 12X12 FLOOR TILES/ ROOM 011	Brown/Tan Non-Fibrous Heterogeneous		40% Non-fibrous (other) 30% Ca Carbonate 30% Matrix	None Detected
11-23-JW-58 *031032507-0058*	BROWN 12X12 FLOOR TILE MASTIC/ ROOM 007	Brown/Clear Non-Fibrous Heterogeneous		15% Non-fibrous (other) 85% Matrix	None Detected
11-23-JW-59 *031032507-0059*	BROWN 12X12 FLOOR TILE MASTIC/ ROOM 011	Brown/Clear Non-Fibrous Heterogeneous		8% Non-fibrous (other) 92% Matrix	None Detected
11-23-JW-60 *031032507-0060*	SOFT LIGHT-WEIGHT FLOOR CONCRETE/ ROOM 007	Brown/Tan Non-Fibrous Heterogeneous		15% Non-fibrous (other) 30% Ca Carbonate 55% Quartz	None Detected

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			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-61 *031032507-0061*	SOFT LIGHT-WEIGHT FLOOR CONCRETE/ ROOM 007	Brown/Tan Non-Fibrous Heterogeneous		20% Non-fibrous (other) 35% Ca Carbonate 45% Quartz	None Detected
11-23-JW-62 *031032507-0062*	GRAY CERAMIC WALL TILE ADHESIVE/ ROOM 010	White/Cream Non-Fibrous Heterogeneous		0% Non-fibrous (other) 85% Ca Carbonate 15% Matrix	None Detected
11-23-JW-63 *031032507-0063*	GRAY CERAMIC WALL TILE ADHESIVE/ ROOM 010	White/Cream Non-Fibrous Heterogeneous		0% Non-fibrous (other) 85% Ca Carbonate 15% Matrix	None Detected
11-23-JW-64 *031032507-0064*	CERAMIC TILE GROUT/ ROOM 010	White Non-Fibrous Homogeneous		10% Non-fibrous (other) 90% Ca Carbonate	None Detected
11-23-JW-65 *031032507-0065*	CERAMIC TILE GROUT/ ROOM 010	White Non-Fibrous Homogeneous		10% Non-fibrous (other) 90% Ca Carbonate	None Detected
11-23-JW-66 *031032507-0066*	1X1 PINHOLE CEILING TILE/ ROOM 011	White/Beige Fibrous Heterogeneous	93% Cellulose	0% Non-fibrous (other) 7% Matrix	None Detected

Initial report from

Analyst(s)

Albert Grohmann (23)
Steve Jusczuk (65)

James Hall, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone: (212) 290-0051 Fax: (212) 290-0058 Email: manhattanlab@emsl.com

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. (CT)
531 North Main St.
Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
Customer PO:
Received: 11/26/10 10:28 AM
EMSL Order: 031032507
EMSL Proj:
Analysis Date: 11/29/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
11-23-JW-67 *031032507-0067*	1X1 PINHOLE CEILING TILE/ ROOM 011	White/Beige Fibrous Heterogeneous	95% Cellulose	0% Non-fibrous (other) 5% Matrix	**None Detected**
11-23-JW-68 *031032507-0068*	BROWN GLUE DAUBS ASSOC. WITH 1X1 TILE/ ROOM 011	Brown Non-Fibrous Homogeneous	3% Fibrous (other)	7% Non-fibrous (other) 90% Matrix	**None Detected**
		Recommend TEM.			
11-23-JW-69 *031032507-0069*	BROWN GLUE DAUBS ASSOC. WITH 1X1 TILE/ ROOM 021	Brown Non-Fibrous Homogeneous	2% Fibrous (other)	5% Non-fibrous (other) 93% Matrix	**None Detected**
		Recommend TEM.			
11-23-JW-70 *031032507-0070*	GRAY VINYL COVE BASE/ ROOM 014	Gray Non-Fibrous Homogeneous		0% Non-fibrous (other) 65% Ca Carbonate 35% Matrix	**None Detected**
11-23-JW-71 *031032507-0071*	GRAY VINYL COVE BASE/ ROOM 014	Gray Non-Fibrous Homogeneous		0% Non-fibrous (other) 65% Ca Carbonate 35% Matrix	**None Detected**
11-23-JW-72 *031032507-0072*	WHITE SINK UNDERCOATING/ ROOM 014	Gray Fibrous Heterogeneous	15% Cellulose	20% Non-fibrous (other) 65% Ca Carbonate	**None Detected**

Initial report from

Analyst(s)

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Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
Customer PO:
Received: 11/26/10 10:28 AM
EMSL Order: 031032507

EMSL Proj:
Analysis Date: 11/29/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
11-23-JW-73 *031032507-0073*	WHITE SINK UNDERCOATING/ ROOM 014	Gray Fibrous Heterogeneous	20% Cellulose	25% Non-fibrous (other) 55% Ca Carbonate	**None Detected**
11-23-JW-74 *031032507-0074*	RED 9X9 FLOOR TILE/ ROOM 016	Red Non-Fibrous Homogeneous		0% Non-fibrous (other) 70% Ca Carbonate 30% Matrix	**None Detected**
		Tan Mastic not analyzed.			
11-23-JW-75 *031032507-0075*	RED 9X9 FLOOR TILE/ ROOM 016	Brown/Gray Non-Fibrous Heterogeneous		15% Non-fibrous (other) 35% Ca Carbonate 45% Matrix	**5% Chrysotile**
		Different from Sample 74. Black Mastic not analyzed.			
11-23-JW-76 *031032507-0076*	WHITE AND GRAY 12X12 FLOOR TILE/ ROOM 018	Gray/White Non-Fibrous Heterogeneous		5% Non-fibrous (other) 65% Ca Carbonate 30% Matrix	**None Detected**
11-23-JW-77 *031032507-0077*	WHITE AND GRAY 12X12 FLOOR TILE/ ROOM 018	Gray/White Non-Fibrous Heterogeneous		5% Non-fibrous (other) 65% Ca Carbonate 30% Matrix	**None Detected**

Initial report from

Analyst(s)

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Steve Jusczuk (65)

James Hall, Laboratory Manager
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Attn: **Brandy LeBlanc**
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Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
Customer PO:
Received: 11/26/10 10:28 AM
EMSL Order: 031032507
EMSL Proj:
Analysis Date: 11/29/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-78 *031032507-0078*	YELLOW ADHESIVE BEHIND BLACKBOARD/ ROOM 017	Tan/Yellow Non-Fibrous Heterogeneous		5% Non-fibrous (other) 55% Ca Carbonate 40% Matrix	**None Detected**
11-23-JW-79 *031032507-0079*	YELLOW ADHESIVE BEHIND BLACKBOARD/ ROOM 017	Tan/Yellow Non-Fibrous Heterogeneous		5% Non-fibrous (other) 65% Ca Carbonate 30% Matrix	**None Detected**
11-23-JW-80 *031032507-0080*	GRAY TACKBOARD/ ROOM 017	Gray Fibrous Homogeneous	98% Cellulose	0% Non-fibrous (other) 2% Matrix	**None Detected**
11-23-JW-81 *031032507-0081*	GRAY TACKBOARD/ ROOM 017	Gray/White Fibrous Heterogeneous	92% Cellulose	0% Non-fibrous (other) 8% Matrix	**None Detected**
11-23-JW-82 *031032507-0082*	GREEN FLOORING PRODUCT/ ROOM 021	Green Fibrous Heterogeneous	28% Cellulose	0% Non-fibrous (other) 17% Ca Carbonate 55% Matrix	**None Detected**
11-23-JW-83 *031032507-0083*	GREEN FLOORING PRODUCT/ ROOM 021	Green Fibrous Heterogeneous	33% Cellulose	0% Non-fibrous (other) 12% Ca Carbonate 55% Matrix	**None Detected**

Initial report from

Analyst(s)

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Steve Jusczuk (65)

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Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
Customer PO:
Received: 11/26/10 10:28 AM
EMSL Order: 031032507
EMSL Proj:
Analysis Date: 11/29/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
11-23-JW-84 *031032507-0084*	GRAY VAPOR BARRIER UNDER HARDWOOD FLOOR/ ROOM 021	Tan/Red Fibrous Heterogeneous	15% Hair 80% Cellulose	0% Non-fibrous (other) 5% Matrix	None Detected
11-23-JW-85 *031032507-0085*	GRAY VAPOR BARRIER UNDER HARDWOOD FLOOR/ ROOM 023	Tan/Red Fibrous Heterogeneous	10% Hair 87% Cellulose	0% Non-fibrous (other) 3% Matrix	None Detected
		Wood omitted.			
11-23-JW-86 *031032507-0086*	WHITE SILICONE REPLACEMENT CAULK/ A-FAÇADE	White Non-Fibrous Homogeneous		0% Non-fibrous (other) 100% Matrix	None Detected
11-23-JW-87 *031032507-0087*	WHITE SILICONE REPLACEMENT CAULK/ B-FAÇADE	White Non-Fibrous Homogeneous		0% Non-fibrous (other) 100% Matrix	None Detected
11-23-JW-88 *031032507-0088*	WHITE STUCCO ON CONCRETE BLOCK/ A-FAÇADE	Tan/White Non-Fibrous Heterogeneous	3% Fibrous (other)	12% Non-fibrous (other) 85% Matrix	None Detected
		Recommend TEM.			

Initial report from

Analyst(s)

Albert Grohmann (23)
Steve Jusczuk (65)

James Hall, Laboratory Manager
or other approved signatory

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Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
Customer PO:
Received: 11/26/10 10:28 AM
EMSL Order: 031032507
EMSL Proj:
Analysis Date: 11/29/2010

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
11-23-JW-89 *031032507-0089*	WHITE STUCCO ON CONCRETE BLOCK/ B-FAÇADE	Tan/White Non-Fibrous Heterogeneous	3% Fibrous (other)	7% Non-fibrous (other) 90% Matrix	**None Detected**
			Recommend TEM.		
11-23-JW-90 *031032507-0090*	WHITE STUCCO ON CONCRETE BLOCK/ D-FAÇADE	White Non-Fibrous Heterogeneous	2% Fibrous (other)	10% Non-fibrous (other) 5% Quartz 83% Matrix	**None Detected**
			Recommend TEM.		
11-23-JW-91 *031032507-0091*	RED CEMENT BOARD ROOF SHINGLES/ ROOF 1	Gray/Red Fibrous Heterogeneous		60% Non-fibrous (other) 15% Ca Carbonate	**25% Chrysotile**
11-23-JW-92 *031032507-0092*	RED CEMENT BOARD ROOF SHINGLES/ ROOF 3				**Stop Positive (Not Analyzed)**
11-23-JW-93 *031032507-0093*	BLACK FLASHING CEMENT/ ROOF 1	Red/Black Fibrous Heterogeneous		10% Non-fibrous (other) 78% Matrix	**12% Chrysotile**
11-23-JW-94 *031032507-0094*	BLACK FLASHING CEMENT/ ROOF 3				**Stop Positive (Not Analyzed)**

Initial report from

Analyst(s)

Albert Grohmann (23)
Steve Jusczuk (65)

James Hall, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
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Attn: **Brandy LeBlanc**
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Bristol, CT 06010

Fax: (860) 585-7034 Phone: (860) 589-8257
Project: **10-038.13/ PRE RENO HBMI/ 61 DURANT TERRACE/ MIDDLETOWN, CT**

Customer ID: EEVM50
Customer PO:
Received: 11/26/10 10:28 AM
EMSL Order: 031032507

EMSL Proj:
Analysis Date: 12/1/2010

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
11-23-JW-28 *031032507-0028*	DARK YELLOW CARPET ADHESIVE/ ROOM 023	Tan Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected	
11-23-JW-31 *031032507-0031*	BLACK MASTIC ASSOCIATED WITH 9X9 TILE/ ROOM 003	Black Non-Fibrous Heterogeneous	94.4	None	5.6% Chrysotile	5.6

Initial report from 12/01/2010 10:50:18

Analyst(s)
Bob Georgans (2)

James Hall, Laboratory Manager
or other approved signatory

THIS IS THE LAST PAGE OF THE REPORT.

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: 11/23/10 10:33

INSPECTION FOR: Mr. Bill Warner
City of Middletown, Dept. of Planning,
Conservation & Development
245 Dekoven Drive, Middletown, CT

PERFORMED AT: 61 Durant Terrace
Middletown, CT

INSPECTION DATE: 11/23/10

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 1509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002197

Interior and Exterior lead-based paint screen.

SIGNED: Michelle Rudy Date: 11/29/10

Michelle Rudy
Lead Inspector/Risk Assessor
Eagle Environmental, Inc.
531 North Main Street
Bristol, CT 06010

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Inspection Date:	11/23/10	61 Durant Terrace
Report Date:	11-24-2010	Middletown, CT
\batement Level:	1.0	
Report No.	11/23/10 10:33	
Total Readings:	292 Actionable: 42	
Job Started:	11/23/10 10:33	
Job Finished:	11/23/10 15:18	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 003 Facade C									
284	C	Pipe	Rgt		P	Metal	white	4.6	QM
286	C	Door	Lft		P	Wood	white	2.9	QM
287	C	Door	Lft	Casing	P	Wood	white	>9.9	QM
Exterior Room 004 Facade D									
288	D	Fascia	Ctr		P	Wood	white	>9.9	QM
289	D	Soffit	Ctr		P	Wood	white	2.4	QM
Interior Room 002 Number Only									
020	C	Window	Ctr	Casing	P	Wood	black	1.7	QM
Comment: All classrooms - vinyl replacement sashes except for interior windows between classrooms (only a few on 1st floor)									
Interior Room 006 Number Only									
047	A	Door	Lft	Stop	P	Wood	white	7.6	QM
050	C	Window	Ctr	Casing	P	Wood	white	3.7	QM
Comment: floor carpeted									
Interior Room 007 Number Only									
062	A	Wall	Lft	Lower	P	Plaster	multi	2.7	QM
067	A	Wall	Rgt	Lower	I	Plaster	red	3.2	QM
070	A	Closet	Lft	Low Wall	I	Plaster	multi	3.5	QM
074	B	Wall	Ctr	Lower	I	Plaster	multi	4.7	QM
078	C	Window	Lft	Casing	P	Wood	white	4.1	QM
Comment: assume lower plaster walls in previous rooms positive, vat floor, dropped ceiling, ramp unpainted under carpet									
Interior Room 008 Number Only									
090	B	Wall	Ctr	Lower	I	Plaster	cream	4.5	QM
Interior Room 009 Number Only									
092	D	Wall	Ctr	Lower	I	Plaster	white	7.1	QM
Interior Room 010 Bathroom									
106	B	Window	Ctr	Casing	P	Wood	white	2.9	QM
107	D	Wall	Lft	Tile	I	Ceramic	multi	>9.9	QM
Interior Room 011 Stairs									
111	A	Wall	Ctr	Lower	P	Plaster	white	3.3	QM
Interior Room 012 Number Only									
125	C	Bull. Board	Ctr	Frame	I	Wood	red	1.6	QM
123	C	Wall	Ctr	Lower	I	Plaster	yellow	4.4	QM
117	C	Window	Ctr	Casing	P	Wood	aqua	3.1	QM
Comment: dropped ceiling, floor carpeted									
Interior Room 014 Number Only									
135	A	Window	Ctr	Casing	P	Wood	white	3.7	QM
141	B	Wall	Ctr	Lower	I	Plaster	white	4.0	QM

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
146	C	Wall	Rgt	Lower	I	Plaster	white	3.2	QM
149	D	Closet	Rgt	Low Wall	P	Plaster	cream	4.8	QM
Interior Room 016 Stairs									
160	-	Wall	Ctr	Lower	P	Plaster	white	8.2	QM
164	A	Window	Lft	Casing	I	Wood	white	3.5	QM
Comment: ceiling tiled, floor & stairs carpeted, new factory painted entry doors									
Interior Room 017 Number Only									
167	A	Window	Ctr	Casing	P	Wood	white	3.1	QM
173	C	Wall	Lft	Lower	P	Plaster	white	1.0	QM
Interior Room 018 Number Only									
183	B	Wall	Rgt	Lower	P	Plaster	white	1.9	QM
Comment: window walls same as other rooms, vinyl tiled floor, dropped ceiling									
Interior Room 019 Stairs									
194	A	Closet	Rgt	Wall	P	Concrete	white	5.7	QM
191	B	Wall	Rgt	Lower	P	Plaster	white	>9.9	QM
Comment: new metal entry doors as other stairs, floor mostly carpeted									
Interior Room 020 Number Only									
013	B	Window	Ctr	Casing	P	Wood	white	>9.9	QM
011	B	Door	Lft	Casing	P	Wood	white	>9.9	QM
014	C x2	Door	Ctr		P	Wood	brown	6.3	QM
Interior Room 023 Number Only									
215	A	Wall	Ctr	Lower	P	Plaster	white	>9.9	QM
218	B	Closet	Ctr	Low Wall	P	Plaster	white	3.6	QM
Comment: dropped ceilings & carpeted floors throughout classrooms									
Interior Room 025 Number Only									
227	A	Wall	Rgt	Lower	I	Plaster	white	>9.9	QM
Comment: same as 023									
Interior Room 028 Number Only									
239	C	Wall	Ctr	Lower	I	Plaster	white	3.7	QM
Comment: same as 023									
Interior Room 031 Number Only									
250	C	Wall	Lft	Lower	P	Plaster	white	9.2	QM
Interior Room 034 Number Only									
263	A	Mural	Ctr		I	Canvas	multi	>9.9	QM
Interior Room 035 Number Only									
269	C	Fireplace	Lft	Tile	I	Ceramic	multi	3.6	QM
Calibration Readings									
Exterior Room 999									
Calibration Readings									

---- End of Readings ----

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Inspection Date:	11/23/10	61 Durant Terrace
Report Date:	11-24-2010	Middletown, CT
Abatement Level:	1.0	
Report No.	11/23/10 10:33	
Total Readings:	292	
Job Started:	11/23/10 10:33	
Job Finished:	11/23/10 15:18	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
280	A	Fence	Lft		P	Metal	silver	-0.1	QM
279	A	Wall	Lft	Lower	I	Block	white	0.2	QM
Comment: vinyl sashes, acs trim wrap on all wood except for upper trim and one basement door, unpainted brick upper walls, stone or concrete porch components.									
Exterior Room 002 Facade B									
281	B	Wall	Ctr	Lower	P	Block	white	-0.2	QM
Exterior Room 003 Facade C									
284	C	Pipe	Rgt		P	Metal	white	4.6	QM
286	C	Door	Lft		P	Wood	white	2.9	QM
287	C	Door	Lft	Casing	P	Wood	white	>9.9	QM
282	C	Door	Rgt		P	Metal	red	0.0	QM
283	C	Door	Rgt	Frame	P	Metal	white	0.3	QM
285	C	Railing	Rgt		P	Metal	red	-0.2	QM
Exterior Room 004 Facade D									
288	D	Fascia	Ctr		P	Wood	white	>9.9	QM
289	D	Soffit	Ctr		P	Wood	white	2.4	QM
Interior Room 001 Boiler Rm.									
009	B	Pipe	Ctr		P	Metal	white	0.0	QM
004	B	Wall	Ctr		P	Block	white	0.1	QM
006	B	Floor	Ctr		P	Concrete	tan	-0.1	QM
008	B	Door	Lft	Casing	P	Metal	white	0.3	QM
007	B	Door	Rgt		P	Metal	brown	-0.1	QM
005	C	Wall	Lft		P	Plaster	white	-0.3	QM
Comment: rooms 1,2,20-same floor									
Interior Room 002 Number Only									
022	A	Door	Lft		P	Metal	white	0.2	QM
018	B	Shelving	Ctr		P	Wood	white	-0.1	QM
017	B	Wall	Ctr		I	Plaster	white	0.2	QM
016	B	Ceiling	Ctr		I	Concrete	white	-0.1	QM
019	C	Pipe	Ctr		P	Metal	black	-0.1	QM
020	C	Window	Ctr	Casing	P	Wood	black	1.7	QM
021	D	Door	Lft		P	Metal	silver	0.2	QM
Comment: All classrooms - vinyl replacement sashes except for interior windows between classrooms (only a few on 1st floor)									
Interior Room 003 Stairs									
035	-	Stairs under carpet	Ctr		P	Wood	varnish	-0.2	QM
029	-	Railing	Ctr	Balusters	P	Wood	varnish	-0.2	QM
030	A	Trim	Lft		P	Wood	varnish	0.0	QM
024	A	Trim	Ctr		P	Wood	white	-0.2	QM
023	A	Wall	Ctr		P	Block	white	-0.2	QM
025	A	Door	Ctr		P	Metal	white	0.3	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
031	A	Stairs	Lft	Baseboard	P	Wood	varnish	-0.2	QM
033	A	Closet	Lft	Door	P	Plywood	white	-0.1	QM
032	A	Closet	Lft	Wall	P	Concrete	white	0.3	QM
026	C	Wall	Lft		P	Plaster	white	0.0	QM
027	C	Wall	Rgt		P	Plaster	cream	0.1	QM
034	C	Ceiling	Ctr		P	Plaster	white	-0.2	QM
028	D	Wall	Lft		P	Concrete	cream	-0.1	QM
Comment: outside doors & trim new, factory painted metal									
Interior Room 004 Number Only									
037	A	Wall	Ctr		P	Block	white	0.3	QM
040	B	Wall	Ctr		P	Dry wall	white	0.0	QM
039	B	Ceiling	Ctr		I	Plaster	white	0.0	QM
038	B	Door	Ctr		P	Wood	varnish	-0.3	QM
036	D	Door	Ctr	Frame	P	Metal	white	0.0	QM
Comment: floor carpeted									
Interior Room 005 Number Only									
042	C	Wall	Rgt		P	Plaster	white	0.3	QM
041	C	Ceiling	Rgt		P	Plaster	white	0.0	QM
043	C	Door	Rgt	Casing	P	Wood	white	-0.1	QM
Comment: floor carpeted									
Interior Room 006 Number Only									
046	A	Door	Lft		P	Wood	varnish	-0.1	QM
047	A	Door	Lft	Stop	P	Wood	white	7.6	QM
049	B	Shelving	Lft		P	Wood	white	0.0	QM
048	B	Door	Lft	Casing	P	Wood	varnish	0.1	QM
051	B	Closet	Rgt	Door	P	Wood	melon	-0.2	QM
052	B	Closet	Rgt	Door Casing	I	Wood	white	-0.2	QM
053	B	Closet	Rgt	Floor	P	Wood	varnish	0.0	QM
050	C	Window	Ctr	Casing	P	Wood	white	3.7	QM
055	D	Pipe	Ctr		P	Metal	white	-0.1	QM
044	D	Wall	Rgt		P	Plaster	white	0.1	QM
054	D	Ceiling above dropped ceiling	Ctr		P	Plaster	white	0.2	QM
045	D	Door	Rgt	Casing	P	Metal	white	-0.1	QM
Comment: floor carpeted									
Interior Room 007 Number Only									
060	A	Bull. Board	Lft		P	Fiberboard	multi	0.1	QM
061	A	Bull. Board	Lft	Frame	P	Wood	multi	-0.1	QM
065	A	Cabinet	Lft		I	Wood	varnish	-0.2	QM
062	A	Wall	Lft	Lower	P	Plaster	multi	2.7	QM
069	A	Wall	Lft	Upper	I	Plaster	multi	0.0	QM
063	A	Wall	Ctr		I	Dry wall	multi	-0.2	QM
067	A	Wall	Rgt	Lower	I	Plaster	red	3.2	QM
068	A	Wall	Rgt	Upper	I	Plaster	red	0.2	QM
059	A	Door	Lft		P	Metal	multi	0.1	QM
057	A	Stairs	Lft		P	Wood	varnish	0.0	QM
058	A	Stairs	Lft	Baseboard	P	Wood	varnish	-0.2	QM
056	A	Railing	Lft		P	Wood	varnish	0.0	QM
070	A	Closet	Lft	Low Wall	I	Plaster	multi	3.5	QM
066	A	Closet	Ctr	Up Wall	P	Plaster	cream	0.1	QM
072	B	Wall	Lft		I	Block	multi	0.5	QM
074	B	Wall	Ctr	Lower	I	Plaster	multi	4.7	QM
075	B	Wall	Ctr	Upper	I	Plaster	multi	0.0	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
064	B	Door	Lft		P	Wood	varnish	-0.1	QM
	in closet - room ctr								
071	B	Door	Lft	Frame	I	Metal	red	0.1	QM
073	B	Railing	Lft		P	Wood	varnish	0.2	QM
077	C	Chair Rail	Lft		I	Wood	white	-0.1	QM
076	C	Wall	Lft	Upper	I	Plaster	blue	0.5	QM
079	C	Wall	Lft	Lower	I	Dry wall	blue	-0.2	QM
078	C	Window	Lft	Casing	P	Wood	white	4.1	QM
080	D	Shelving	Lft		P	Wood	varnish	-0.1	QM
081	D	Stage	Ctr	Floor	P	Wood	tan	-0.3	QM
082	D	Stage	Ctr	Wall	P	Wood	tan	0.1	QM
083	D	Wall	Ctr		I	Dry wall	multi	0.0	QM
Comment: assume lower plaster walls in previous rooms positive, vat floor, dropped ceiling, ramp unpainted under carpet									
Interior Room 008 Number Only									
084	A	Wall	Ctr	Upper	P	Plaster	cream	0.1	QM
085	A	Wall	Ctr	Lower	P	Plaster	cream	-0.1	QM
086	A	Ceiling	Ctr		P	Plaster	white	0.4	QM
090	B	Wall	Ctr	Lower	I	Plaster	cream	4.5	QM
089	C	Wall	Ctr		I	Wood	cream	-0.1	QM
087	C	Door	Ctr	Frame	P	Metal	white	-0.1	QM
088	C	Door	Ctr		P	Metal	white	0.2	QM
Interior Room 009 Number Only									
094	A	Door	Ctr		P	Metal	white	0.0	QM
095	B	Wall	Lft		P	Dry wall	white	-0.2	QM
	rest of walls								
096	B	Door	Ctr	Casing	P	Wood	white	0.2	QM
091	D	Wall	Ctr	Upper	I	Plaster	white	-0.1	QM
092	D	Wall	Ctr	Lower	I	Plaster	white	7.1	QM
093	D	Railing	Ctr	Balusters	I	Wood	white	0.3	QM
Interior Room 010 Bathroom									
098	A	Trim	Ctr		P	Wood	varnish	-0.1	QM
099	A	Shelving	Ctr		P	Wood	varnish	-0.3	QM
100	A	Wall	Ctr		P	Plaster	aqua	0.5	QM
097	A	Closet	Lft	Door	P	Wood	varnish	0.0	QM
101	A	Closet	Lft	Wall	P	Plaster	white	-0.2	QM
104	B	Radiator	Lft		I	Aluminum	brown	0.0	QM
105	B	Chair Rail	Ctr		P	Wood	white	0.1	QM
102	B	Wall	Lft	Upper	I	Plaster	white	0.1	QM
103	B	Wall	Lft	Lower	P	Dry wall	white	0.0	QM
110	B	Floor	Rgt	Tile	P	Ceramic	cream	-0.1	QM
106	B	Window	Ctr	Casing	P	Wood	white	2.9	QM
109	C	Door	Rgt		P	Wood	varnish	-0.4	QM
107	D	Wall	Lft	Tile	I	Ceramic	multi	>9.9	QM
108	D	Floor	Lft	Tile	I	Ceramic	grey	-0.2	QM
Interior Room 011 Stairs									
111	A	Wall	Ctr	Lower	P	Plaster	white	3.3	QM
112	A	Wall	Ctr	Upper	P	Plaster	white	0.0	QM
115	B	Stairs	Ctr		P	Wood	brown	-0.1	QM
116	C	Railing	Lft		P	Wood	brown	-0.2	QM
113	D	Wall	Rgt		P	Block	white	-0.1	QM
114	D	Door	Ctr		P	Metal	red	0.3	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 012 Number Only									
121	B	Chalkboard	Lft	Frame	I	Wood	red	0.0	QM
119	C	Chair Rail	Ctr		I	Wood	aqua	-0.1	QM
124	C	Coat Rack	Ctr		P	Wood	yellow	0.2	QM
125	C	Bull. Board	Ctr	Frame	I	Wood	red	1.6	QM
126	C	Bull. Board	Ctr		P	Fiberboard	red	0.0	QM
127	C	Shelving	Rgt		P	Wood	blue	0.0	QM
118	C	Wall	Ctr	Upper	I	Plaster	aqua	0.1	QM
120	C	Wall	Ctr	Lower	I	Dry wall	aqua	-0.3	QM
122	C	Wall	Ctr	Upper	I	Plaster	yellow	0.3	QM
123	C	Wall	Ctr	Lower	I	Plaster	yellow	4.4	QM
117	C	Window	Ctr	Casing	P	Wood	aqua	3.1	QM
128	D	Cabinet	Lft		P	Wood	green	-0.2	QM
129	D	Trim	Ctr		P	Wood	green	-0.1	QM
130	D	Door	Lft		P	Wood	varnish	-0.2	QM
Comment: dropped ceiling, floor carpeted									
Interior Room 013 Bathroom									
131	A	Wall	Ctr		I	Dry wall	cream	0.0	QM
132	A	Wall	Ctr	Tile	I	Ceramic	multi	-0.2	QM
133	A	Floor	Ctr	Tile	I	Ceramic	grey	-0.2	QM
134	B	Trim	Lft		P	Wood	green	-0.2	QM
Interior Room 014 Number Only									
136	A	Chair Rail	Ctr		I	Wood	white	0.0	QM
137	A	Wall	Rgt	Upper	I	Plaster	white	0.1	QM
138	A	Wall	Rgt	Lower	I	Dry wall	white	-0.1	QM
139	A	Floor	Rgt	Tile	I	Ceramic	grey	-0.2	QM
135	A	Window	Ctr	Casing	P	Wood	white	3.7	QM
140	B	Trim	Lft		I	Wood	white	0.0	QM
142	B	Bull. Board	Ctr		P	Fiberboard	white	-0.1	QM
144	B	Cabinet	Rgt		P	Wood	stain	-0.2	QM
141	B	Wall	Ctr	Lower	I	Plaster	white	4.0	QM
143	B	Wall	Rgt	Tile	I	Ceramic	white	0.4	QM
145	C	Wall	Rgt	Upper	I	Plaster	white	0.1	QM
146	C	Wall	Rgt	Lower	I	Plaster	white	3.2	QM
147	D	Door	Rgt		P	Wood	white	-0.5	QM
151	D	Door	Rgt	Casing	P	Wood	white	0.0	QM
149	D	Closet	Rgt	Low Wall	P	Plaster	cream	4.8	QM
150	D	Closet	Rgt	Up Wall	P	Plaster	cream	0.2	QM
148	D	Closet	Rgt	Door	P	Wood	white	0.0	QM
Interior Room 015 Number Only									
152	A	Ceiling	Ctr		P	Plaster	white	0.3	QM
158	B	Door	Ctr	Casing	P	Wood	varnish	-0.4	QM
155	D	Shelving	Ctr		P	Wood	stain	0.0	QM
156	D	Shelving	Ctr	Seat	P	Wood	grey	-0.1	QM
153	D	Wall	Ctr	Upper	P	Plaster	white	-0.1	QM
154	D	Wall	Ctr	Lower	P	Plaster	white	0.0	QM
157	D	Floor	Ctr		P	Concrete	grey	0.0	QM
Interior Room 016 Stairs									
159	-	Wall	Ctr	Upper	P	Plaster	white	0.1	QM
160	-	Wall	Ctr	Lower	P	Plaster	white	8.2	QM
161	-	Ceiling	Ctr		P	Plaster	white	0.0	QM
162	-	Stairs	Ctr	Baseboard	P	Wood	varnish	0.0	QM
163	-	Railing	Ctr		P	Wood	varnish	-0.2	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
164	A	Window	Lft	Casing	I	Wood	white	3.5	QM
166	A	Door	Rgt	Header	I	Wood	white	0.0	QM
165	C	Door	Rgt	Frame	I	Metal	white	0.0	QM
Comment: ceiling tiled, floor & stairs carpeted, new factory painted entry doors									
Interior Room 017 Number Only									
168	A	Chair Rail	Ctr		I	Wood	white	-0.1	QM
169	A	Wall	Ctr	Lower	I	Dry wall	white	-0.2	QM
167	A	Window	Ctr	Casing	P	Wood	white	3.1	QM
170	B	Trim	Lft		P	Wood	white	0.2	QM
171	B	Bull. Board	Lft		P	Fiberboard	white	-0.2	QM
172	B	Cabinet	Lft		P	Wood	white	0.1	QM
173	C	Wall	Lft	Lower	P	Plaster	white	1.0	QM
174	C	Wall	Lft	Upper	P	Plaster	white	0.2	QM
177	C	Door	Rgt		P	Wood	varnish	0.0	QM
175	D	Chalkboard	Lft	Frame	P	Wood	white	0.0	QM
176	D	Shelving	Lft		P	Wood	stain	0.0	QM
Interior Room 018 Number Only									
180	B	Chalkboard	Rgt	Frame	P	Wood	white	-0.1	QM
181	B	Bull. Board	Rgt		P	Fiberboard	white	-0.1	QM
182	B	Bull. Board	Rgt	Frame	P	Wood	white	-0.4	QM
183	B	Wall	Rgt	Lower	P	Plaster	white	1.9	QM
179	C	Chalkboard	Lft	Frame	P	Wood	white	0.4	QM
178	C	Wall	Lft		I	Block	white	0.0	QM
184	C	Door	Rgt		P	Metal	white	0.1	QM
Comment: window walls same as other rooms, vinyl tiled floor, dropped ceiling									
Interior Room 019 Stairs									
187	-	Stairs	Ctr		P	Wood	varnish	0.0	QM
	under carpet								
186	-	Railing	Ctr		P	Wood	varnish	0.0	QM
185	A	Trim	Lft		P	Wood	varnish	-0.2	QM
199	A	Stairs	Lft	Under Pans	I	Plaster	white	0.0	QM
188	A	Stairs	Rgt	Baseboard	P	Wood	varnish	-0.2	QM
192	A	Closet	Rgt	Door	P	Plywood	white	-0.4	QM
193	A	Closet	Rgt	Door Casing	P	Wood	white	-0.1	QM
195	A	Closet	Rgt	Floor	P	Concrete	white	0.0	QM
194	A	Closet	Rgt	Wall	P	Concrete	white	5.7	QM
196	A	Closet	Rgt	Ceiling	I	Plaster	white	0.3	QM
190	B	Wall	Rgt	Upper	P	Plaster	white	0.3	QM
191	B	Wall	Rgt	Lower	P	Plaster	white	>9.9	QM
189	B	Window	Rgt	Casing	I	Wood	white	0.0	QM
197	C	Chair Rail	Ctr		I	Wood	white	0.1	QM
198	C	Floor	Ctr		P	Concrete	brown	0.0	QM
Comment: new metal entry doors as other stairs, floor mostly carpeted									
Interior Room 020 Number Only									
010	A	Wall	Ctr		P	Brick	white	-0.2	QM
013	B	Window	Ctr	Casing	P	Wood	white	>9.9	QM
011	B	Door	Lft	Casing	P	Wood	white	>9.9	QM
015	C	Ceiling	Ctr		P	Dry wall	white	0.1	QM
014	C	Door	Ctr		P	Wood	brown	6.3	QM
	x2								
012	D	Wall	Ctr		P	Block	white	-0.1	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 021 Hallway									
202	A	Trim	Ctr		P	Wood	varnish	0.0	QM
204	A	Radiator	Rgt		P	Aluminum	brown	0.2	QM
200	A	Wall	Ctr	Upper	P	Plaster	cream	0.1	QM
201	A	Wall	Ctr	Lower	P	Plaster	cream	0.2	QM
203	A	Door	Ctr		P	Wood	varnish	-0.2	QM
205	C	Bull. Board	Lft		P	Fiberboard	white	0.0	QM
277	C	Ceiling	Ctr		P	Plaster	white	0.2	QM
206	C	Door	Ctr	Panel	I	Dry wall	cream	0.0	QM
Comment: plaster above drop ceilings									
Interior Room 022 Girl's Lav.									
207	A	Wall	Ctr		I	Brick	orange	0.0	QM
208	A	Floor	Ctr	Tile	I	Ceramic	grey	0.0	QM
209	B	Window	Ctr	Trim	P	Wood	white	0.0	QM
210	D	Toilet Stall	Lft		P	Metal	white	0.3	QM
211	D	Pipe	Rgt		I	Metal	silver	-0.1	QM
Interior Room 023 Number Only									
212	A	Bull. Board	Ctr		P	Fiberboard	white	0.2	QM
213	A	Trim	Ctr		P	Wood	varnish	0.2	QM
214	A	Chalkboard	Ctr	Tray	P	Wood	white	-0.1	QM
215	A	Wall	Ctr	Lower	P	Plaster	white	>9.9	QM
216	A	Door	Rgt		P	Wood	varnish	-0.1	QM
220	B	Cabinet	Rgt		P	Wood	varnish	-0.1	QM
217	B	Closet	Ctr	Up Wall	P	Plaster	white	0.1	QM
218	B	Closet	Ctr	Low Wall	P	Plaster	white	3.6	QM
219	B	Closet	Ctr	Shelving	P	Wood	white	-0.3	QM
221	C	Window	Ctr	Trim	P	Wood	white	0.0	QM
222	D	Wall	Ctr	Upper	I	Plaster	white	-0.1	QM
Comment: dropped ceilings & carpeted floors throughout classrooms									
Interior Room 024 Number Only									
223	A	Shelving	Lft		P	Wood	white	0.1	QM
225	C	Window	Ctr	Trim	P	Wood	white	0.2	QM
224	D	Chalkboard	Ctr	Tray	P	Wood	white	0.0	QM
Comment: same as 023									
Interior Room 025 Number Only									
226	A	Trim	Rgt		P	Wood	varnish	-0.4	QM
227	A	Wall	Rgt	Lower	I	Plaster	white	>9.9	QM
228	A	Baseboard	Rgt		I	Wood	white	-0.1	QM
Comment: same as 023									
Interior Room 026 Number Only									
229	C	Wall	Ctr		I	Plaster	cream	-0.1	QM
230	C	Wall	Ctr	Tile	I	Ceramic	grey	-0.2	QM
231	C	Ceiling	Ctr		I	Plaster	cream	-0.1	QM
Interior Room 027 Boy's Lav.									
278	A	Ceiling	Ctr		I	Plaster	white	0.0	QM
232	B	Toilet Stall	Ctr		P	Metal	grey	-0.1	QM
236	B	Wall	Rgt	Tile	I	Ceramic	white	-0.1	QM
235	B	Window	Rgt	Trim	P	Wood	white	-0.2	QM
233	D	Toilet Stall	Ctr		P	Metal	beige	0.1	QM
234	D	Floor	Ctr	Tile	P	Ceramic	beige	-0.2	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Comment: same as girl's lav except where noted									
Interior Room 028 Number Only									
237	C	Radiator	Ctr		I	Aluminum	grey	-0.1	QM
239	C	Wall	Ctr	Lower	I	Plaster	white	3.7	QM
238	C	Window	Ctr	Trim	P	Wood	white	0.0	QM
Comment: same as 023									
Interior Room 029 Number Only									
242	B	Cabinet	Lft	Wall	I	Plaster	aqua	-0.1	QM
240	C	Bull. Board	Ctr		P	Fiberboard	white	-0.1	QM
241	D	Shelving	Ctr		P	Wood	white	0.0	QM
Comment: same as 023									
Interior Room 030 Number Only									
246	A	Window	Lft	Casing	I	Wood	white	0.0	QM
245	A	Window	Lft	Sash	I	Wood	white	0.0	QM
243	C	Wall	Ctr		P	Plaster	white	0.1	QM
244	D	Trim	Ctr		P	Wood	varnish	-0.3	QM
Comment: mostly same as 023									
Interior Room 031 Number Only									
252	B	Closet	Rgt	Shelving	P	Wood	white	0.0	QM
251	C	Trim	Lft		P	Wood	white	0.2	QM
249	C	Wall	Lft	Upper	P	Plaster	white	0.1	QM
250	C	Wall	Lft	Lower	P	Plaster	white	9.2	QM
248	C	Window	Lft	Casing	I	Wood	white	-0.1	QM
247	C	Window	Lft	Sash	I	Wood	white	-0.1	QM
Interior Room 032 Bathroom									
254	A	Wall	Rgt		P	Plaster	white	0.2	QM
255	A	Wall	Rgt	Tile	I	Ceramic	white	-0.2	QM
256	A	Window	Lft	Trim	P	Wood	white	0.0	QM
253	D	Door	Rgt		P	Wood	varnish	-0.3	QM
Comment: floor same as downstairs bathrooms									
Interior Room 033 Number Only									
262	A	Wall	Ctr		P	Dry wall	white	0.0	QM
258	D	Trim	Ctr		P	Wood	white	-0.1	QM
259	D	Bull. Board	Rgt		P	Fiberboard	white	0.2	QM
257	D	Window	Ctr	Sash	P	Wood	white	-0.1	QM
260	D	Closet	Lft	Shelving	P	Wood	white	0.0	QM
261	D	Closet	Ctr	Wall	P	Fiberboard	cream	0.0	QM
Interior Room 034 Number Only									
263	A	Mural	Ctr		I	Canvas	multi	>9.9	QM
264	A	Bull. Board	Ctr		P	Fiberboard	white	-0.3	QM
265	A	Bull. Board	Ctr	Frame	I	Fiberboard	white	-0.1	QM
266	A	Wall	Ctr	Lower	I	Plaster	white	-0.1	QM
267	C	Wall	Rgt		I	Dry wall	white	0.0	QM
Interior Room 035 Number Only									
276	A	Closet	Rgt	Wall	P	Plaster	white	-0.1	QM
272	B	Shelving	Ctr		P	Wood	white	0.0	QM
268	C	Fireplace	Lft	Trim	P	Wood	white	-0.1	QM
269	C	Fireplace	Lft	Tile	I	Ceramic	multi	3.6	QM
271	C	Trim	Ctr		P	Concrete	white	0.0	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. Bill Warner

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
270	C	Wall	Ctr		I	Plaster	white	-0.1	QM
Interior Room 036 Bathroom									
274	B	Trim	Lft		P	Wood	sky blue	0.0	QM
275	B	Pipe	Ctr		P	Metal	sky blue	-0.2	QM
273	B	Wall	Lft		I	Plaster	sky blue	-0.1	QM
Calibration Readings									
001								1.1	TC
002								1.0	TC
003								1.1	TC
290								1.0	TC
291								1.0	TC
292								1.0	TC

---- End of Readings ----

HAZARDOUS MATERIALS COST ESTIMATES
61 DURANT TERRACE
MIDDLETOWN, CONNECTICUT

ASBESTOS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
RESIDUAL AIR CELL PIPE INSULATION	1	$ 50.00 SF	$ 50.00
BROWN BRITTLE CAULK AT HOT WATER TANK EXHAUST	1	$ 50.00 SF	$ 50.00
FLOOR TILE AND MASTIC	2,500	$ 4.50 SF	$ 11,250.00
RED CEMENT BELOW ROOF SHINGLES	7170	$ 3.00 SF	$ 21,510.00
BLACK FLASHING CEMENT	182	$ 3.50 LF	$ 637.00
BOILER RIB CEMENT (ASSUMED TO BE ACM)	140	$ 15.00 LF	$ 2,100.00
PIPE INSULATION BEHIND WALLS (ASSUMED TO BE ACM)	32	$ 15.00 SF	$ 480.00
SUBTOTAL			$ 36,077.00
ASBESTOS ABATEMENT CONTINGENCY (10%)			$ 3,607.70
ASBESTOS TOTAL			**$ 39,684.70**

LEAD BASED PAINT COST ESTIMATE

THE COST FOR THIS WILL DEPEND UPON THE EXTEND OF RENOVATION/DEMOLITION AND CAN NOT BE ESTIMATED AT THIS TIME

UNIVERSAL WASTE ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
BALLASTS DISPOSAL	147	$ 1.50 EACH	$ 220.50
LIGHT TUBES DISPOSAL	2008	$ 0.50 LF	$ 1,004.00
MERCURY THERMOSTATS	1	$ 50.00 EACH	$ 50.00
LEAD ACID BATTERIES	8	$ 2.50 EACH	$ 20.00
LABOR	1	$ 500.00 DAY	$ 500.00
SUBTOTAL			$ 1,794.50
UNIVERSAL WASTE ABATEMENT CONTINGENCY (20%)			$ 358.80
UNIVERSAL WASTE TOTAL			**$ 2,153.30**

CHLOROFLUOROCARBONS ABATEMENT COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
A/C UNITS	11	$ 100.00 EACH	$ 1,100.00
LABOR	1	$ 500.00 EACH	$ 500.00
SUBTOTAL			$ 1,600.00
CHLOROFLUOROCARBONS ABATEMENT CONTINGENCY (20%)			$ 320.00
CHLOROFLUOROCARBONS TOTAL			**$ 1,920.00**

STORAGE TANK REMOVAL COST ESTIMATE

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
UNDER GROUND TANKS	1	$ 1,500.00 EACH	$ 1,500.00
SUBTOTAL			$ 1,500.00
STORAGE TANK REMOVAL CONTINGENCY (20%)			$ 300.00
STORAGE TANK REMOVAL TOTAL			**$ 1,800.00**

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL	**$**	**45,558.00**
GRAND TOTAL	**$**	**45,558.00**

THE COST OF ABATEMENT MONITORING AND AIR SAMPLING WILL DEPEND UPON SCOPE OF ABATEMENT AND CONTRACTOR'S TIME SCHEDULE. IT USUALLY RANGES FROM 12-18% OF THE COST OF ABATEMENT

Certificate of Training

Awarded to

JAMES WEBB

For successful completion of a 4 Hour, 1/2 Day

Asbestos Building Inspector

Annual Refresher Training

FEBRUARY 22, 2010

This training was approved and given in accordance with the Regulations for Connecticut State Agencies RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ABIRF18687 Exam Grade: 95 Exam Date: 02/22/2010 Expiration Date: 02/22/2011

Christopher J. Eldent, CIH, CSP, RS

George Williamson, Training Director

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT THE INDIVIDUAL NAMED BELOW IS LICENSED BY THIS DEPARTMENT AS A

ASBESTOS CONSULTANT - INSPECTOR

LICENSE NO. 000588

CURRENT THROUGH 08/31/11

VALIDATION NO. 03-104020

JAMES T. WEBB

SIGNATURE

COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Michelle Rudy

138 Brewster Road, West Hartford, CT 06117
043-54-6695

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course
conducted by
ATC Associates Inc.
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor

Training Manager

May 28, 2010
Date of Course

May 28, 2010
Exam Date

ELIR4R-266
Certificate Number

May 28, 2011
Expiration Date

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 477 of the Connecticut General Statutes.

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A

LEAD INSPECTOR RISK ASSESSOR

CERTIFICATION NO.
002197
CURRENT THROUGH
01/31/11
VALIDATION NO.
03-997865

MICHELLE I. RUDY

SIGNATURE

COMMISSIONER

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS LICENSED BY THIS DEPARTMENT AS A

LEAD CONSULTANT CONTRACTOR

LICENSE NO.
001723
CURRENT THROUGH
04/30/11
VALIDATION NO.
03-043289

EAGLE ENVIRONMENTAL, INC

SIGNATURE

J Robert Galvin, MD, MPH, MBA

COMMISSIONER

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

EMSL ANALYTICAL, INC. – MANHATTAN, NY

LOCATED AT 307 West 38th Street IN New York, NY 10018

AND REGISTERED IN THE NAME OF Peter Frasca, Ph.D.

THIS CERTIFICATE IS ISSUED IN THE NAME OF James Hall WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS

Examination For:
Bulk – Identification (PLM, TEM)
Air – Fiber Counting (PCM, TEM)
Water - TEM

Paint Chips, Soil, Dust Wipes

Examination For:
Lead

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2012 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 24th DAY OF September, 2010

Registration No.

PH-0170

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION